

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.04.2021

Version number 5

Revision: 28.04.2021

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** **WALLASOL DIO 70**
- **Article number:** 591025
- **UFI:** 9N10-S0VK-600G-DG6W
- **Relevant identified uses of the substance or mixture and uses advised against .**
- **Application of the substance / the mixture** Wetting agent
- **Uses advised against** No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Wall Chemie GmbH
Am Selder 25
D-47906 KEMPEN
DEUTSCHLAND
Tel.: +49 2152 8999 0
E-Mail: sicherheit@wall-chemie.com
- **Further information obtainable from:** Safety and health group
- **Emergency telephone number:**
This number is serviced during office hours: +49 2152 8999 0
Giftinformationszentrum Nord 24h-information: +49 551 19240

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02 GHS05

- **Signal word** Danger
- **(Hazard-determining) components of labelling:**
Diisooctyl sulfosuccinate, Na-Salt
Ethanol
- **Hazard statements**
H226 Flammable liquid and vapour.

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H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243 Take action to prevent static discharges.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterisation: Mixtures

Description: aqueous solution

(Dangerous) components:

CAS: 577-11-7 EINECS: 209-406-4 Reg.nr.: 01-2119491296-29	Diisooctyl sulfosuccinate, Na-Salt ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	50-100%
CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43	Ethanol ⚠ Flam. Liq. 2, H225	3-<10%

Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

Description of first aid measures

After inhalation:

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Seek medical treatment.

Rinse mouth.

Do not induce vomiting.

Information for doctor:

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

Risk of aspiration.

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5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Organic decomposition products
Carbon oxides (CO_x)
Sulphur oxides (SO_x)
- **Advice for firefighters**
- **Protective equipment:** Use suitable breathing apparatus if necessary.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Particular danger of slipping on leaked/spilled product.
Wear protective clothing.
Avoid contact with the eyes and skin.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
Wear protective clothing.
Do not eat, drink or smoke in working area.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Protect from heat and direct sunlight.
- **Storage class:** flammable liquid
- **Specific end use(s)** No further relevant information available.

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8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**

· DNELs

577-11-7 Diisooctyl sulfosuccinate, Na-Salt

Oral	DNEL (Long-term, systemic effects)	18.8 mg/kg/d (consumer)
Dermal	DNEL (Long-term, systemic effects)	31.3 mg/kg/d (worker)
		18.8 mg/kg/d (consumer)
Inhalative	DNEL (Long-term, systemic effects)	44.1 mg/m ³ (worker)
		13 mg/m ³ (consumer)

· PNECs

577-11-7 Diisooctyl sulfosuccinate, Na-Salt

PNEC	0.0066 mg/l (fresh water)
	0.00066 mg/l (seawater)
	0.066 mg/l (water (intermittent release))
PNEC	0.653 mg/kg (Sediment (Süßwasser))
	0.0653 mg/kg (sediment)

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls** Use only in well-ventilated areas or with appropriate exhaust ventilation.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.
 - Do not eat, drink, smoke or sniff while working.
 - The recommended specification of the protective clothing articles is to be chosen according to the duration of the exposition, the concentration and the amount of the dangerous substances at the working environment. Seek advice of the suppliers.
- **Respiratory protection:**
 - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
 - Filter A
- **Protection of hands:**



Protective gloves

· **Material of gloves**

Butyl rubber, BR

Recommended thickness of the material: ≥ 0.5 mm

· **Penetration time of glove material**

Minimum breakthrough time : > 480 min (Permeation according to EN 374 Part 3: level 6)

· **Eye protection:**



Tightly sealed goggles (EN 166).

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· **Body protection:** Protective work clothing

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:

Fluid

Colour:

Colourless

· Odour:

Like alcohol

· Odour threshold:

Not determined.

· pH-value (10 g/l) at 20 °C:

5.0 - 6.5

· Change in condition

Melting point/freezing point:

Undetermined.

Initial boiling point and boiling range: ca. 65 °C

· Flash point:

ca. 32 °C

· Flammability (solid, gas):

Not applicable.

· Decomposition temperature:

Not determined.

· Auto-ignition temperature:

Product is not selfigniting.

· Explosive properties:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

Lower:

Not determined.

Upper:

Not determined.

· Vapour pressure:

Not determined.

· Density at 20 °C:

ca. 1.0 g/cm³

· Relative density

Not determined.

· Vapour density

Not determined.

· Evaporation rate

Not determined.

· Solubility in / Miscibility with water:

Easily soluble.

· Partition coefficient: n-octanol/water:

Product is an emulsifier.

· Viscosity:

Dynamic at 20 °C:

ca. 400 mPas

Kinematic:

Not determined.

· Other information

No further relevant information available.

10 Stability and reactivity

· **Reactivity** Product is stable under normal ambient conditions.

· Chemical stability

· Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known.

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

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- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**
The classification was carried out according to the calculation method described in section 3.1.3.6.1, Annex 1 of the VO1272/2008

Oral LD50	> 2000 mg/kg (--)
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- **Primary irritant effect:**
- **Skin corrosion/irritation**
This statement was deduced from products with a similar structure or composition.
Causes skin irritation.
- **Serious eye damage/irritation**
This statement was deduced from products with a similar structure or composition.
Causes serious eye damage.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** no data
- **Carcinogenicity** no data
- **Reproductive toxicity** no data
- **STOT-single exposure** no data
- **STOT-repeated exposure** no data
- **Aspiration hazard** no data

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:**
This statement was deduced from products with a similar structure or composition.

EC50	> 10 - ≤ 100 mg/l (alga)
	> 1 - ≤ 10 mg/l (daphne)
LC50	>10 - ≤ 100 mg/l (fish)

- **Persistence and degradability**
These surfactants comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
readily biodegradable
Degradation rate >70% Time (d) 28 days Method OECD 301D (CAS: 577-11-7)
Degradation rate 98% Time (d) 28 days Method OECD 301 D (CAS: 64-17-5)
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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· **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- **Waste disposal key:**
Determine wastes code in compliance with local waste management company according the European Waste Catalogue (EWC).
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

· UN-Number	
· ADR, IMDG, IATA	UN1993
· UN proper shipping name	
· ADR	1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))
· IMDG	FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))
· IATA	FLAMMABLE LIQUID, N.O.S. (ETHANOL)
· Transport hazard class(es)	
· ADR, IMDG, IATA	
	
· Class	3 Flammable liquids.
· Label	3
· Packing group	
· ADR, IMDG, IATA	III
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Flammable liquids.
· Hazard identification number (Kemler code):	30
· EMS Number:	F-E, S-E
· Stowage Category	A
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L

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· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN1993, FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)), 3, III

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Seveso category** FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5.000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50.000 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
- **Department issuing SDS:** Safety and Health group
- **Contact:** Dr. Astrid Kawka, Dr. Dieter Kawka
- **Abbreviations and acronyms:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2

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Flam. Liq. 3: Flammable liquids – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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· * **Data compared to the previous version altered.**

EU

Substance name: Docusate Sodium

CAS number: 577-11-7

EC Number: 209-406-4

Sector of use: [SU 10 Formulation [mixing] of preparations and/or re-packaging, SU 3 Industrial Manufacturing (all), SU 22 Public domain (administration, education, entertainment, services, craftsmen), SU 21 Private households (= general public = consumers), SU 4 Manufacture of food products, SU 23 Electricity, steam, gas water supply and sewage treatment, SU 1 Agriculture, forestry, fishery, SU 8 Manufacture of bulk, large scale chemicals (including petroleum products), SU 9 Manufacture of fine chemicals, SU 12 Manufacture of plastics products, including compounding and conversion, SU 2a Mining (without offshore industries), SU 2b Offshore industries, SU 5 Manufacture of textiles, leather, fur]

General description: Anionic Surfactant

Life cycle description

Titles of registered exposure scenarios

Please note, that this is just an overview of the main exposure scenarios of the pure substance.

For detailed information, please contact us stating the title(s) of the scenario(s) that are relevant for you at info@wall-chemie.com Keyword REACH DIO - Exposure Scenarios

Uses advised against

Exposure controls / personal protection

Abbreviations and acronyms

Life cycle description

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1 Uses by workers in industrial settings

1.1 General

1.1.1 Manufacturing (general)

M1: Manufacturing-PROC 1
M2: Manufacturing-PROC 2
M3: Manufacturing-PROC 3
M4: Manufacturing-PROC 4
M5: Manufacturing-PROC 5
M6: Manufacturing-PROC 8a
M7: Manufacturing-PROC 8b
M8: Manufacturing-PROC 9

1.2 Resins or polymer dispersions

1.2.1 Manufacturing of resins or polymer dispersions

M1: Industrial manufacture of polymer dispersions Mixing, blending, completion - closed continuous process (sampling)
M2: Industrial manufacture of polymer dispersions Mixing, blending, completion - closed batch process (sampling)
M3: Industrial manufacture of polymer dispersions Mixing, blending, completion - batch process (sampling)

C1: Industrial manufactur of resins Synthesis/blending/dissolving: mixing, heating, refluxing, distillation - closed process (with sampling)
C1: Industrial manufacture of polymer dispersions Blending/emulsifying - closed process (with sampling)
C2: Industrial manufactur of resins Synthesis/blending/dissolving: mixing, heating, refluxing, distillation - closed continuous process (with sampling)
C2: Industrial manufacture of polymer dispersions Blending/emulsifying - closed continuous process (with sampling)
C3: Industrial manufactur of resins Synthesis/blending/dissolving: mixing, heating, refluxing, distillation - closed batch process (with sampling)
C3: Industrial manufacture of polymer dispersions Blending/emulsifying - closed batch process (with sampling)

C4: Industrial manufacture of resins Synthesis/blending/dissolving: mixing, heating, refluxing, distillation - batch or other process (with sampling)
C4: Industrial manufacture of polymer dispersions Blending/emulsifying- batch or other process (with sampling)
C5: Industrial manufacture of resins Synthesis/blending/dissolving: mixing, heating, refluxing, distillation - open batch process (with sampling)
C5: Industrial manufacture of polymer dispersions Blending/emulsifying- open batch process (with sampling)

P1: Industrial manufacture of resins Blending/dissolving/dispersion: mixing, milling, dispersing, completion - closed continuous process (sampling)
P1: Industrial manufacture of polymer dispersions Polymerization: mixing, heating, cooling - closed process (sampling)
P2: Industrial manufacture of resins Blending/dissolving/dispersion: mixing, milling, dispersing, completion - closed batch process (sampling)
P2: Industrial manufacture of polymer dispersions Polymerization: mixing, heating, cooling - closed continuous process (sampling)
P3: Industrial manufacture of resins Blending/dissolving/dispersion: mixing, milling, dispersing, completion - open batch process (additions, sampling)
P3: Industrial manufacture of polymer dispersions Polymerization: mixing, heating, cooling - closed batch process (sampling)
P4: Industrial manufacture of polymer dispersions Polymerization: mixing, heating, cooling - batch or other processes (sampling)
PE: Uses of additives in polymer production, master batch production, compounds production Mixing or blending in batch processes. Transfer of substance or preparation (charging / discharging) form/to vessels/large containers at dedicated or non facilities

D1: Industrial manufacture of resins Distillation/evaporation (water, solvents) - closed process
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F1: Industrial manufacture of resins Filtering and filling: filtration, centrifugation, sieving and filling – enclosed dedicated and non-dedicated lines
F2, F1: Industrial manufacture of polymer dispersions Filtering and filling: filtration, centrifugation, sieving and filling – enclosed dedicated lines
F2: Industrial manufacture of resins Filtering and filling: filtration, centrifugation, sieving and filling – open dedicated and non-dedicated lines (includes replacing filters during filtration)
F3: Industrial manufacture of polymer dispersions Filtering and filling: filtration, centrifugation, sieving and filling – batch or other processes

RMH2, RMH1: Industrial manufacture of polymer dispersions Receipt and storage of raw materials: bulk raw material and packaged goods delivery - indoor and outdoor
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RMS1: Industrial manufacture of resins Raw material assembly and charging: raw material dispensing of liquids and solids via pipeline from bulk storage or packaged goods - indoor and outdoor
RMS1: Industrial manufacture of polymer dispersions Raw material assembly and charging: raw material dispensing of liquids and solids via pipeline from bulk storage or packaged goods - indoor and outdoor
RMS2: Industrial manufacture of resins Raw material assembly and charging: raw material dispensing of liquids and solids manually from bulk storage or packaged goods - indoor and outdoor
RMS2: Industrial manufacture of polymer dispersions Raw material assembly and charging: raw material dispensing of liquids and solids manually from bulk storage or packaged goods - indoor and outdoor
RMS3: Industrial manufacture of resins Raw material assembly and charging: raw material dispensing of liquids or solids manually from bulk storage or packaged goods - indoor. open batch process (additions)
S1: Industrial manufacture of resins Storage and delivery of finished products - in bulk and packaged goods, indoor and outdoor
S1: Industrial manufacture of polymer dispersions Storage and delivery of finished products - in bulk and packaged goods, indoor and outdoor
Sp: Industrial manufacture of polymer dispersions Spray-Drying
St1: Industrial manufacture of polymer dispersions Stripping - closed continuous process
St2: Industrial manufacture of polymer dispersions Stripping, Distillation - closed batch process

Industrial manufacture of polymer dispersions Raw material assembly and charging: raw material dispensing of liquids or solids manually from bulk storage or packaged goods, also blending and dissolving of raw materials - indoor. open batch process (additi

L1: Industrial manufacture of resins Laboratory use: QC laboratory use
L1: Industrial manufacture of polymer dispersions Laboratory use: QC & RD laboratory use
L2: Industrial manufacture of resins Laboratory use: R&D laboratory use

WM1: Industrial manufacture of resins Waste management: transfer of wastes or of recovered substances to tanks and storage containers: off-line in workplace
WM1: Industrial manufacture of polymer dispersions Waste management: transfer of wastes to tanks and storage containers: off-line in workplace
WM2: Industrial manufacture of resins Waste management: storage of waste prior to removal for off-site and/or on-site treatment
WM2: Industrial manufacture of polymer dispersions Waste management: storage of waste prior to removal for off-site and/or on-site treatment

WM3: Industrial manufacture of resins Waste management: substances recovery using contineous or batch distillation or adsorption/ desorption processes
WM5: Industrial manufacture of resins Waste management: Incineration on site
WM5: Industrial manufacture of polymer dispersions Waste management: Incineration on site
WM6: Industrial manufacture of resins Waste management: Biological waste water treatment on site
WM6: Industrial manufacture of polymer dispersions Waste management: waste water treatment on site

MM1: Industrial manufacture of resins Manufacturing equipment maintenance: opening of manufacturing equipment and pipework containing chemicals for repair or cleaning manufacturing equipment for maintenance purposes
MM1: Industrial manufacture of polymer dispersions Manufacturing equipment maintenance: opening of manufacturing equipment and pipework containing chemicals for repair or cleaning manufacturing equipment for maintenance purposes

Cl1: Industrial manufacture of resins Manufacturing equipment cleaning: enclosed in situ in workplace or off-line in workplace
Cl1: Industrial manufacture of polymer dispersions Manufacturing equipment cleaning: enclosed in situ in workplace or off-line in workplace
Cl2: Industrial manufacture of resins Manufacturing equipment cleaning: open in situ or open off-line in workplace
Cl2: Industrial manufacture of polymer dispersions Manufacturing equipment cleaning: open in situ or open off-line in workplace (includes replacing filters during filtration)

1.3 Construction Chemicals

1.3.1 Formulation of construction chemicals

CC-1-1-7: Formulation of Construction Chemicals, open systems Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact).
CC-1-1-8: Formulation of Construction Chemicals, open systems Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities.
CC-1-1-9: Formulation of Construction Chemicals, open systems Transfer of substance or preparation into small containers (dedicated filling line, including weighing).
CC-1-2-7: Formulation of Construction Chemicals, open systems without local exhaust ventilation Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact).
CC-1-2-8: Formulation of Construction Chemicals, open systems without local exhaust ventilation Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities.

CC-1-2-9, CC-1-2: Formulation of Construction Chemicals, open systems without local exhaust ventilation Transfer of substance or preparation into small containers (dedicated filling line, including weighing).
CC-2-7: Formulation of Construction Chemicals, closed systems Use in closed batch process (synthesis or formulation).
CC-2-8: Formulation of Construction Chemicals, closed systems Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities.
CC-2-9: Formulation of Construction Chemicals, closed systems Transfer of substance or preparation into small containers (dedicated filling line, including weighing).

1.3.2 Industrial use of construction chemicals

CC-3-2-12: Industrial use of Construction Chemicals; without spraying, Service life: indoor Production of preparations or articles by tableting, compression, extrusion, pelettisation.
CC-3-2-3: Industrial use of Construction Chemicals; without spraying, Service life: indoor Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities.
CC-3-2-6: Industrial use of Construction Chemicals; without spraying, Service life: indoor Roller application or brushing.
CC-3-2-9: Industrial use of Construction Chemicals; without spraying, Service life: indoor Treatment of articles by dipping and pouring.
CC-4-2-2: Industrial use of Construction Chemicals, without spraying, Service life: outdoor Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities.
CC-4-2-4: Industrial use of Construction Chemicals, without spraying, Service life: outdoor Roller application or brushing.
CC-4-2-6: Industrial use of Construction Chemicals, without spraying, Service life: outdoor Treatment of articles by dipping and pouring.
CC-4-2-8, CC-4-2: Industrial use of Construction Chemicals, without spraying, Service life: outdoor Production of preparations or articles by tableting, compression, extrusion, pelettisation.

1.4 Additives in a plastic and polymer production

1.4.1 General uses

Uses of additives in a plastic, M B or compound in calendering. Use of plastics, MB or Compound in calendering Low energy manipulation of substances bound in materials and/or articles. High (mechanical) energy work-up of substances bound in maetierals an
Uses of additives in a plastic, M B or compound in calendering. Use of plastics, MB or Compound in calendering Mixing or blending in batch processes. Transfer of substance or preparation (charging / discharging) form/to vessels/large containers at dedicat
Uses of additives in a plastic, M B or compound in dip coating. Use of plastics, MB or Compound in dip coating Mixing or blending in batch processes. Transfer of substance or preparation (charging / discharging) form/to vessels/large containers at dedicat

Uses of additives in a plastic, M B or compound in extrusion applications. Use of plastics, MB or Compound in Extrusion applications: film, fibres, sheet, pipes, profiles Low energy manipulation of substances bound in materials and/or articles. High (mec
Uses of additives in a plastic, M B or compound in extrusion applications. Use of plastics, MB or Compound in Extrusion applications: film, fibres, sheet, pipesk, profiles Mixing or blending in batch processes. Transfer of substance or preparation (chargi
Uses of additives in a plastic, M B or compound in extrusion applications. Use of plastics, MB or Compound in Extrusion applications: film, fibres, sheet, pipesk, profiles Production pf preparations or articles by tableting, compression, extrusion pellet
Uses of additives in a plastic, M B or compound in extrusion applications. Use of plastics, MB or Compound in Extrusion applications: injetion moulding, blow moulding, ESBM, ISBM, roto moulding Low energy manipulation of substances bound in materials and/
Uses of additives in a plastic, M B or compound in extrusion applications. Use of plastics, MB or Compound in Extrusion applications: injetion moulding, blow moulding, ESBM, ISBM, roto moulding Mixing or blending in batch processes. Transfer of substance
Uses of additives in a plastic, M B or compound in extrusion applications. Use of plastics, MB or Compound in Extrusion applications: injetion moulding, blow moulding, ESBM, ISBM, roto moulding Production pf preparations or articles by tableting, compres

1.4.2 Structured Short Titles for uses of additives in polymer production: PEST

PEST 1.2: Uses of additives in polymer production, master batch production, compounds production Production pf preparations or articles by tableting, compression, extrusion pelletisation
PEST 1.3: Uses of additives in polymer production, master batch production, compounds production Low energy manipulation of substances bound in materials and/or articles. High (mechanical) energy work-up of substances bound in maetierals and/or articles
PEST 2.1: Direct uses of additives by converters Mixing or blending in batch processes. Transfer of substance or preparation (charging / discharging) form/to vessels/large containers at dedicated or non facilities
PEST 2.2: Direct uses of additives by converters Production pf preparations or articles by tableting, compression, extrusion pelletisation
PEST 2.3: Direct uses of additives by converters Low energy manipulation of substances bound in materials and/or articles. High (mechanical) energy work-up of substances bound in maetierals and/or articles
PEST 5.2: Uses of additives in a plastic, M B or compound in calendering. Use of plastics, MB or Compound in calendering Calendering operations
PEST 6.2: Uses of additives in a plastic, M B or compound in calendering. Use of plastics, MB or Compound in calendering Dip Coating operations

1.5 Sugar industry

1.5.1 Structured Short Titles: CEFS

CEFS I.1: Reception, storage and preparation of (agricultural) raw material Application (sampling dosage) in open systems non-reactive processing aids
CEFS I.2: Reception, storage and preparation of (agricultural) raw material Application (sampling dosage) in open systems reactive processing aids

CEFS II.1: Food and Feed processing - from slicing to cristallisation Application (sampling dosage) in open systems non-reactive processing aids
CEFS II.2: Food and Feed processing - from slicing to cristallisation Application (sampling dosage) in open systems reactive processing aids
CEFS II.4: Food and Feed processing - from slicing to cristallisation Application (sampling dosage) in closed systems reactive processing aids
CEFS III.2: By-product treatment (e.g. composting, dewatering...) Application (sampling dosage) in open systems
CEFS IV.1: Cooling water treatment Application (sampling dosage) in open systems
CEFS IX.1: Maintenance in general Spraying
CEFS IX.2: Maintenance Roller application brushing of adhesive other coating indoor
CEFS IX.3: Maintenance Roller application brushing of adhesive other coating outdoor
CEFS V.1: Combustion plant/ Power supply Application (sampling dosage) in closed systems
CEFS V.2: Combustion plant/ Power supply use of fuel as combustible themselves in closed systems
CEFS VII.1: Waste water treatment Application (sampling dosage) in open systems
CEFS VIII.1: Cleaning and disinfection Application (sampling dosage) in closed systems
CEFS VIII.2: Cleaning and disinfection Application (sampling dosage) in open systems
CEFS X.1: Laboratory Quality control
CEFS XI.1: Reception, unloading, transfer of processing aids and other chemicals Handling (Loading / unloading transfer / filling)

1.6 Soaps, Detergents and Maintenance Products

1.6.1 Structured Short Titles: AISE

A.I.S.E. M3, A.I.S.E. M2, A.I.S.E. M1, A.I.S.E. M6, A.I.S.E. M7, A.I.S.E. M4, A.I.S.E. M5, A.I.S.E. M8, A.I.S.E. M9: Manufacturing of cleaning and Maintenance Products (main sector of use: SU3 - industrial uses) see PROC definition
AISE-P1001a, AISE-P1001b: Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process
AISE-P1002: Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process
AISE-P1003: Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process
AISE-P1004: Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process
AISE-P1005: Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Semi-Automatic process
AISE-P1006: Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process
AISE-P1007: Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process

AISE-P1008: Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process
AISE-P1009: Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Manual process
AISE-P101: Industrial use of Laundry products Laundry detergent; Automatic process
AISE-P1010: Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process
AISE-P1011: Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process
AISE-P104: Industrial use of Laundry products Conditioner (softner/starch); Automatic process
AISE-P107: Industrial use of Laundry products Laundry aid (gasing); Automatic process
AISE-P110: Industrial use of Laundry products Laundry aid (non-gasing); Automatic process
AISE-P1250: Industrial use of Quality control Laboratory Reagents
AISE-P707: Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process
AISE-P708: Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process
AISE-P709: Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process
AISE-P710: Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process
AISE-P711: Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process
AISE-P712: Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process
AISE-P713: Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process
AISE-P714: Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process
AISE-P801: Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process
AISE-P802: Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process
AISE-P803: Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process
AISE-P804: Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process
AISE-P805: Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process
AISE-P806: Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process
AISE-P807: Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process
AISE-P809: Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process
AISE-P810: Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process
AISE-P811: Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process

AISE-P901: Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process
AISE-P903: Industrial use of Water treatment Products Preservation and sanitation agent ; Process water
AISE-P904: Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water
AISE-P905: Industrial use of Water treatment Products Sanitation agent; Wasre water
AISE-P906: Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process
AISE-P907: Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process

1.7 Lubricants and greases

1.7.1 Industrial use of lubricants and greases

General industrial use of lubricants and greases in vehicles or machinery. Includes filling and draining of containers and enclosed machinery (including engines)
 Maintenance activities industrial settings. General exposure during maintenance work includi

(Industrial) Use in open system. Application of lubricant to work pieces or equipment by dipping, brushing or spraying (without exposure to heat), e.g. mould releases, corrosion protection, slideways Automated filling of lubricant container, i.e. bath or

(Industrial) Use in open system. Application of lubricant to work pieces or equipment by dipping, brushing or spraying (without exposure to heat), e.g. mould releases, corrosion protection, slideways Manual filling of lubricant container, i.e. bath or ta

(Industrial) Use in open system. Application of lubricant to work pieces or equipment by dipping, brushing or spraying (without exposure to heat), e.g. mould releases, corrosion protection, slideways Automated roller application or brushing of coatings

A: Industrial formulation of lubricant additives, lubricants and greases. Includes material transfers, mixing, large and small scale packing, sampling, maintenance and associated laboratory activities. Small pack (drum/bag) transfers - dedicated facility.

Industrial formulation of lubricant additives, lubricants and greases. Includes material transfers, mixing, large and small scale packing, sampling, maintenance and associated laboratory activities. Batch closed process with sampling. Blending and Filling

Industrial formulation of lubricant additives, lubricants and greases. Includes material transfers, mixing, large and small scale packing, sampling, maintenance and associated laboratory activities. Batch open process. Blending and Filling processes (open

Industrial formulation of lubricant additives, lubricants and greases. Includes material transfers, mixing, large and small scale packing, sampling, maintenance and associated laboratory activities. Closed continuous processes at elevated temperature with

Industrial formulation of lubricant additives, lubricants and greases. Includes material transfers, mixing, large and small scale packing, sampling, maintenance and associated laboratory activities. Small pack (drum/bag) transfers - non dedicated facility

ATI: (Industrial) Use of lubricants in high energy open processes, e.g. in high speed machinery such as metal rolling / forming or metalworking fluids for machining and grinding Use of high speed machinery (not MWF uses) - open systems giving rise to mist

1.7.2 Structured Short Titles: ATIEL /ATC

ATIEL-A: (Industrial) Use in open system. Application of lubricant to work pieces or equipment by dipping, brushing or spraying (without exposure to heat), e.g. mould releases, corrosion protection, slideways Draining, maintenance & cleaning of equipment
ATIEL-AT: (Industrial) Use in open system. Application of lubricant to work pieces or equipment by dipping, brushing or spraying (without exposure to heat), e.g. mould releases, corrosion protection, slideways Treatment of articles by dipping and pouring
ATIEL-AT: Industrial formulation of lubricant additives, lubricants and greases. Includes material transfers, mixing, large and small scale packing, sampling, maintenance and associated laboratory activities. Top filling of bulk containers (road cars etc)
ATIEL-ATC G: Industrial formulation of lubricant additives, lubricants and greases. Includes material transfers, mixing, large and small scale packing, sampling, maintenance and associated laboratory activities. Sample collection of incoming raw materials
ATIEL-ATC Group A [: Industrial formulation of lubricant additives, lubricants and greases. Includes material transfers, mixing, large and small scale packing, sampling, maintenance and associated laboratory activities. Filling of drums and small packages
ATIEL-ATC Group A [i]-: Industrial formulation of lubricant additives, lubricants and greases. Includes material transfers, mixing, large and small scale packing, sampling, maintenance and associated laboratory activities. Sample collection of formulation
ATIEL-ATC Group A [i]-12: Industrial formulation of lubricant additives, lubricants and greases. Includes material transfers, mixing, large and small scale packing, sampling, maintenance and associated laboratory activities. QC & Laboratory
ATIEL-ATC Group A [i]-13: Industrial formulation of lubricant additives, lubricants and greases. Includes material transfers, mixing, large and small scale packing, sampling, maintenance and associated laboratory activities. Material storage
ATIEL-ATC Group A [i]-9: Industrial formulation of lubricant additives, lubricants and greases. Includes material transfers, mixing, large and small scale packing, sampling, maintenance and associated laboratory activities. Maintenance & cleaning
ATIEL-ATC Group B [i]-1: General industrial use of lubricants and greases in vehicles or machinery. Includes filling and draining of containers and enclosed machinery (including engines) Initial factory fill from header tank; Lubricating Oil
ATIEL-ATC Group B [i]-2: General industrial use of lubricants and greases in vehicles or machinery. Includes filling and draining of containers and enclosed machinery (including engines) Initial factory fill by pouring from containers; Lubricating Oil
ATIEL-ATC Group B [i]-3: General industrial use of lubricants and greases in vehicles or machinery. Includes filling and draining of containers and enclosed machinery (including engines) Initial factory fill by injection of greases.
ATIEL-ATC Group B [i]-4: General industrial use of lubricants and greases in vehicles or machinery. Includes filling and draining of containers and enclosed machinery (including engines) Use as a lubricant/grease in a closed system

ATIEL-ATC Group B [i]-6: General industrial use of lubricants and greases in vehicles or machinery. Includes filling and draining of containers and enclosed machinery (including engines) Disposal of waste product & used containers
ATIEL-ATC Group B [i]-7: General industrial use of lubricants and greases in vehicles or machinery. Includes filling and draining of containers and enclosed machinery (including engines) Material storage
ATIEL-ATC Group C : (Industrial) Use in open system. Application of lubricant to work pieces or equipment by dipping, brushing or spraying (without exposure to heat), e.g. mould releases, corrosion protection, slideways Spraying onto equipment or article
ATIEL-ATC Group C [i] - 7: (Industrial) Use in open system. Application of lubricant to work pieces or equipment by dipping, brushing or spraying (without exposure to heat), e.g. mould releases, corrosion protection, slideways Material storage
ATIEL-ATC Group D [i] -1: (Industrial) Use of lubricants in open high temperature processes, e.g. quenching fluids, glass release agents Fill bath with fluid by pumping from drum or large container
ATIEL-ATC Group D [i] -2: (Industrial) Use of lubricants in open high temperature processes, e.g. quenching fluids, glass release agents Dip hot metal workpiece into fluid in closed booth
ATIEL-ATC Group D [i] -3: (Industrial) Use of lubricants in open high temperature processes, e.g. quenching fluids, glass release agents Dip hot metal workpiece into fluid in open vat
ATIEL-ATC Group D [i] -4: (Industrial) Use of lubricants in open high temperature processes, e.g. quenching fluids, glass release agents Remove spent/contaminated fluid from tank
ATIEL-ATC Group D [i] -5: (Industrial) Use of lubricants in open high temperature processes, e.g. quenching fluids, glass release agents Treat and dispose spent fluid
ATIEL-ATC Group D [i] -6: (Industrial) Use of lubricants in open high temperature processes, e.g. quenching fluids, glass release agents Material storage
ATIEL-ATC Group E [i] - 1: (Industrial) Handling and dilution of metalworking fluid concentrates Add concentrate to water tank by pouring from small container
ATIEL-ATC Group E [i] - 2: (Industrial) Handling and dilution of metalworking fluid concentrates Add concentrate to water tank by pumping from drum or tank via mixer
ATIEL-ATC Group E [i] - 3: (Industrial) Handling and dilution of metalworking fluid concentrates Sample the solution to test concentration
ATIEL-ATC Group E [i] - 4: (Industrial) Handling and dilution of metalworking fluid concentrates Disposal of waste product & used containers
ATIEL-ATC Group E [i] - 5: (Industrial) Handling and dilution of metalworking fluid concentrates Material storage
ATIEL-ATC Group F [i] - 2: (Industrial) Use of lubricants in high energy open processes, e.g. in high speed machinery such as metal rolling / forming or metalworking fluids for machining and grinding Drilling, grinding etc
ATIEL-ATC Group F [i] -1: (Industrial) Use of lubricants in high energy open processes, e.g. in high speed machinery such as metal rolling / forming or metalworking fluids for machining and grinding Fill bath with fluid
ATIEL-ATC Group F [i] -3: (Industrial) Use of lubricants in high energy open processes, e.g. in high speed machinery such as metal rolling / forming or metalworking fluids for machining and grinding Remove finished object from machine
ATIEL-ATC Group F [i] -5: (Industrial) Use of lubricants in high energy open processes, e.g. in high speed machinery such as metal rolling / forming or metalworking fluids for machining and grinding Automated metal rolling / forming

ATIEL-ATC Group F [i] -6: (Industrial) Use of lubricants in high energy open processes, e.g. in high speed machinery such as metal rolling / forming or metalworking fluids for machining and grinding Semi-automated metal rolling / forming
ATIEL-ATC Group F [i] -7: (Industrial) Use of lubricants in high energy open processes, e.g. in high speed machinery such as metal rolling / forming or metalworking fluids for machining and grinding Draining, maintenance & cleaning of equipment
ATIEL-ATC Group F [i] -8: (Industrial) Use of lubricants in high energy open processes, e.g. in high speed machinery such as metal rolling / forming or metalworking fluids for machining and grinding Treat and dispose spent fluid
ATIEL-ATC Group F [i] -9: (Industrial) Use of lubricants in high energy open processes, e.g. in high speed machinery such as metal rolling / forming or metalworking fluids for machining and grinding Material storage
ATIEL-ATC: Industrial formulation of lubricant additives, lubricants and greases. Includes material transfers, mixing, large and small scale packing, sampling, maintenance and associated laboratory activities. Bulk transfers by fixed pipe or flexible hose

1.8 Coatings and inks

1.8.1 Industrial manufacture of coatings and inks

MP0012: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Receipt and storage of raw materials: bulk raw material delivery (e.g. pigments/extenders) - outdoor
MP0013: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Receipt and storage of raw materials: packaged goods delivery - outdoor
MP0014: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Receipt and storage of raw materials: raw material storage - indoor
MP0015: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Receipt and storage of raw materials: raw material storage - outdoor
MP0023: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Raw material assembly and charging: raw material dispensing of solids via pipeline from bulk storage - indoor
MP0024: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Raw material assembly and charging: raw material dispensing of solids via pipeline from bulk storage - outdoor
MP0025: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Raw material assembly and charging: raw material dispensing of liquids manually from bulk storage or packaged goods - indoor
MP0027: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Raw material assembly and charging: raw material dispensing of solids manually from bulk storage or packaged goods - indoor
MP0031: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Blending/dissolving/dispersion/extrusion mixing, dispersing, grinding - closed continuous process (no sampling)
MP0032: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Blending/dissolving/dispersion/extrusion mixing, milling, dispersing, completion - closed continuous process (sampling)
MP0033: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Blending/dissolving/dispersion/extrusion mixing, milling, dispersing, completion - closed batch process (sampling)

MP0034: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Blending/dissolving/dispersionextrusion: mixing, milling, dispersing, completion - open batch process (sampling)
MP0041: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Filtering and filling: filtering or sieving and filling – enclosed dedicated lines
MP0042: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Filtering and filling: filtering or sieving and filling – open dedicated lines
MP0051: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Manufacturing equipment cleaning: enclosed in situ in workplace
MP0052: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Manufacturing equipment cleaning: enclosed off-line in workplace
MP0053: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Manufacturing equipment cleaning: open in situ in workplace
MP0054: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Manufacturing equipment cleaning: open off-line in workplace
MP0070: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Waste management: transfer of process wastes to storage containers: off-line in workplace
MP0071: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Waste management: storage of waste prior to removal for off-site management
MP0091: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Manufacturing equipment maintenance: opening of manufacturing equipment and pipework containing chemicals for repair
MP0092: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Manufacturing equipment maintenance: cleaning manufacturing equipment for maintenance purposes
MP0111: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Laboratory use: QC laboratory
MP0112: Industrial manufacture of coatings and inks (PC 9a, 9b, 9c, 18) Laboratory use: R&D laboratory
MS0011 MW0011: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Receipt and storage of raw materials: bulk raw material delivery (e.g. solvents/resins) - outdoor
MS0012 MW0012: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Receipt and storage of raw materials: bulk raw material delivery (e.g. pigments/extenders) - outdoor
MS0013 MW0013: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Receipt and storage of raw materials: packaged goods delivery - outdoor
MS0014 MW0014: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Receipt and storage of raw materials: raw material storage - indoor
MS0015 MW0015: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Receipt and storage of raw materials: raw material storage - outdoor
MS0021 MW0021: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Raw material assembly and charging: raw material dispensing of liquids via pipeline from bulk storage - indoor
MS0022 MW0022: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Raw material assembly and charging: raw material dispensing of liquids via pipeline from bulk storage - outdoor
MS0023 MW0023: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Raw material assembly and charging: raw material dispensing of solids via pipeline from bulk storage - indoor
MS0024 MW0024: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Raw material assembly and charging: raw material dispensing of solids via pipeline from bulk storage - outdoor

MS0025 MW0025: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Raw material assembly and charging: raw material dispensing of liquids manually from bulk storage or packaged goods - indoor
MS0026 MW0026: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Raw material assembly and charging: raw material dispensing of liquids manually from bulk storage or packaged goods - outdoor
MS0027 MW0027: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Raw material assembly and charging: raw material dispensing of solids manually from bulk storage or packaged goods - indoor
MS0028 MW0028: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Raw material assembly and charging: raw material dispensing of solids manually from bulk storage or packaged goods - outdoor
MS0032 MW0032: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Blending/dissolving/ dispersion: mixing, milling, dispersing, completion - closed continuous process (sampling)
MS0033 MW0033: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Blending/dissolving/ dispersion: mixing, milling, dispersing, completion - closed batch process (sampling)
MS0034 MW0034: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Blending/dissolving/ dispersion: mixing, milling, dispersing, completion - open batch process (sampling)
MS0035 MW0035: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Blending/dissolving/ dispersion: mixing, milling, dispersing, completion - open batch process (additions)
MS0041 MW0041: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Filtering and filling: filtering or sieving and filling – enclosed dedicated lines
MS0042 MW0042: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Filtering and filling: filtering or sieving and filling – open dedicated lines
MS0043 MW0043: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Filtering and filling: filtering or sieving and filling – enclosed non-dedicated lines
MS0044 MW0044: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Filtering and filling: filtering or sieving and filling – open non-dedicated lines
MS0051 MW0051: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Manufacturing equipment cleaning: enclosed in situ in workplace
MS0052 MW0052: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Manufacturing equipment cleaning: enclosed off-line in workplace
MS0053 MW0053: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Manufacturing equipment cleaning: open in situ in workplace
MS0054 MW0054: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Manufacturing equipment cleaning: open off-line in workplace
MS0070 MW0070: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Waste management: transfer of process wastes to storage containers: off-line in workplace
MS0071 MW0071: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Waste management: storage of waste prior to removal for off-site management
MS0072 MW0072: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Waste management: solvent recovery using condensation or adsorption/desorption processes
MS0073 MW0073: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Waste management: transfer of recovered solvent into bulk storage tanks or IBCs

MS0091 MW0091: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Manufacturing equipment maintenance: opening of manufacturing equipment and pipework containing chemicals for repair
MS0092 MW0092: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Manufacturing equipment maintenance: cleaning manufacturing equipment for maintenance purposes
MS0111 MW0111: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Laboratory use: QC laboratory
MS0112 MW0112: Industrial manufacture of coatings and inks (PC9a, 9b, 9c, 18) Laboratory use: R&D laboratory

1.8.2 Industrial application of coatings and inks

Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) application on-line application by roller, spreader, flow coating or printing - large scale (enclosed equipment)
Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) application on-line application by roller, spreader, flow coating or printing- large scale (open equipment)

1.8.3 Structured Short Titles: CEPE

AI0001: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) product delivery/storage bulk product delivery - outdoor
AI0002: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) product delivery/storage packaged product delivery - outdoor
AI0003: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) product delivery/storage product storage - indoor
AI0004: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) product delivery/storage product storage - outdoor
AI0101: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) preparation of material for application liquid products - fully enclosed
AI0102: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) preparation of material for application powder products - fully enclosed
AI0103: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) preparation of material for application liquid products - continuous, closed
AI0104: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) preparation of material for application powder products - continuous, closed
AI0105: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) preparation of material for application liquid products - batch, indoor
AI0106: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) preparation of material for application powder products - batch and indoor
AI0107: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) preparation of material for application batch, outdoor
AI0108: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) preparation of material for application liquid coatings - transfer of material from one container to another
AI0110: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) preparation of material for application powder products - transfer of material from one container to another

AI0201: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) loading of application equipment liquid coatings - fully enclosed
AI0202: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) loading of application equipment powder products - fully enclosed
AI0203: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) loading of application equipment liquid products - continuous, closed
AI0204: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) loading of application equipment powder products - continuous, closed
AI0205: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) loading of application equipment liquid products - batch, indoor
AI0206: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) loading of application equipment powder products - batch, indoor
AI0207: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) loading of application equipment liquid products - batch, outdoor
AI0208: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) loading of application equipment liquid products - transfer of material from one container to another
AI0209: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) loading of application equipment powder products - transfer of material from one container to another
AI0303: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) application on-line application by roller, spreader, flow coating or printing - small scale
AI0304: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) application on-line automatic/robotic spray coating or printing (enclosed)
AI0305: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) application on-line automatic/robotic spray (enclosed) - powder
AI0306: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) application on-line manual spray application (open)
AI0307: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) application manual spray application (liquid products)
AI0308: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) application manual spray application (powder products)
AI0309: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) application on-line application by dipping
AI0310: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) application fluidised-bed application (automatic/enclosed)
AI0311: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) application fluidised-bed application (manual/open)
AI0312: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) application coatings from aerosol dispensers
AI0501: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) film formation airdrying
AI0502: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) film formation force drying (50 - 100C)
AI0503 AI0504: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) film formation stoving (>100°C)
AI0505 AI0506: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) film formation UV/EB radiation curing
AI0601 AI0607 AI0613: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) equipment cleaning enclosed in situ - indoor
AI0602 AI0608 AI0614: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) equipment cleaning enclosed off-line - indoor
AI0603 AI0609 AI0615: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) equipment cleaning open in situ - indoor

AI0604 AI0610: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) equipment cleaning open in situ - outdoor
AI0605 AI0611 AI0616: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) equipment cleaning open off-line - indoor
AI0606 AI0612 AI0617: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) equipment cleaning open off-line - outdoor
AI0901: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) laboratory use QC laboratory
AI1001: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) waste management storage of waste prior to removal for off-site management
AI1002: Industrial application of coatings or inks (PC 9a, 9b, 9c, 18) waste management transfer of process wastes to storage containers: off-line in workplace

1.9 Adhesives and sealants

1.9.1 Structured Short Titles: FEICA

FEICA-User 10-1, FEICA-User 10-3, FEICA-User 10-2: Adhesive and sealants manufacture Adh. manufacture in closed or continuous process
FEICA-User 10-12, FEICA-User 10-10, FEICA-User 10-11: Adhesive and sealants manufacture Adhesive formulation in batch process
FEICA-User 10-18, FEICA-User 10-17, FEICA-User 10-16: Adhesive and sealants manufacture Transfer of adh. or raw materials from/to large containers
FEICA-User 10-20, FEICA-User 10-19, FEICA-User 10-21: Adhesive and sealants manufacture Transfer adh. or raw materials into small containers
FEICA-User 10-23, FEICA-User 10-24, FEICA-User 10-22: Adhesive and sealants manufacture "Low energy" application of adhesives
FEICA-User 10-27, FEICA-User 10-26, FEICA-User 10-25: Adhesive and sealants manufacture Prod. of adhesives by tableting, compression, extrusion
FEICA-User 10-4, FEICA-User 10-6, FEICA-User 10-5: Adhesive and sealants manufacture Adhesive manufacture in closed batch process
FEICA-User 10-7, FEICA-User 10-8, FEICA-User 10-9: Adhesive and sealants manufacture Adhesive synthesis in batch process
FEICA-User 3-1: Adhesive and sealants industrial use Adhesive use in closed or continuous process
FEICA-User 3-10, FEICA-User 3-9, FEICA-User 3-8: Adhesive and sealants industrial use Spraying of adhesives in industrial settings
FEICA-User 3-14, FEICA-User 3-16, FEICA-User 3-15: Adhesive and sealants industrial use Transfer of adhesives from/to large containers
FEICA-User 3-18, FEICA-User 3-19, FEICA-User 3-17: Adhesive and sealants industrial use Transfer adhesives into small containers
FEICA-User 3-2, FEICA-User 3-4, FEICA-User 3-3: Adhesive and sealants industrial use Adhesive use in batch or other process
FEICA-User 3-25, FEICA-User 3-23, FEICA-User 3-24: Adhesive and sealants industrial use "Low energy" application of adhesives
FEICA-User 3-32, FEICA-User 3-33, FEICA-User 3-31: Adhesive and sealants industrial use Dipping and pouring of adhesives in/onto articles
FEICA-User 3-34: Adhesive and sealants industrial use Tableting, compression, extrusion using adhesives
FEICA-User 3-37, FEICA-User 3-40, FEICA-User 3-36, FEICA-User 3-38, FEICA-User 3-41, FEICA-User 3-39, FEICA-User 3-35: Industrial Solvent use (Processing aid) Solvents (Processing aids) used in adhesives

FEICA-User 3-5, FEICA-User 3-7, FEICA-User 3-6: Adhesive and sealants industrial use Mixing or blending of adhesives in batch processes

1.10 Agriculture

1.10.1 Structured Short Titles: ECPA

ECPA - Formulation uses -1: Formulation of Plant Protection Products -1

ECPA - Formulation uses -2: Formulation of Plant Protection Products -2

ECPA - Formulation uses -3: Formulation of Plant Protection Products -3

ECPA - Formulation uses -4: Formulation of Plant Protection Products -4

ECPA - Formulation uses -5: Formulation of Plant Protection Products -5

1.10.2 General: Adding micronutrients and/or additives in solid or liquid fertilizers

Closed systems: Adding micronutrients and/or additives (anti-caking, fillers, coatings, colouring agent ...) in solid or liquid fertilizers Adding micronutrients and/or additives (anti-caking, fillers, coatings, colouring agent ...) in solid or liquid fertilizer

Open systems: Adding micronutrients and/or additives (anti-caking, fillers, coatings, colouring agent ...) in solid or liquid fertilizers Adding micronutrients and/or additives (anti-caking, fillers, coatings, colouring agent ...) in solid or liquid fertilizer

1.10.3 Structured Short Titles: FARM REACH Consortium

Fe2.5: Transfer loading/unloading of liquid and solid fertilizers. Handling, blending, loading/unloading and packaging of mineral fertilizers Loading / unloading

Fe2.6: Seed treatment Treating or coating of seed with into small Fertilizer

Fe3.1 ERC 1: Manufacturing solid or liquid mineral fertilizers, including maintenance or Manufacturing of solid or liquid mineral fertilizers

Fe3.1 ERC 6a: Manufacturing solid or liquid mineral fertilizers, including maintenance or Manufacturing of solid or liquid mineral fertilizers

Fe3.2: Manufacturing of solid or liquid or suspension mineral fertilizers, including maintenance Manufacturing of solid or liquid or suspension mineral fertilizers

1.11 Dyes and Organic Pigments / Textiles

1.11.1 Structured Short Titles: ETAD / TEGEWA

ETAD 1, TEGEWA TEX 1.1: blending LEV use of textile chemicals (dyes) to prepare in-house formulations ready to use

ETAD 12, TEGEWA TEX 1.12: handling Transfer of reactive processing aids into small containers
ETAD 13, TEGEWA TEX 1.13: textile application: calendering Calendering operations: non processing agents
ETAD 15, TEGEWA TEX 1.15: Textile application: dipping and pouring Treatment of articles by dipping and pouring: non-processing aids
ETAD 17, TEGEWA TEX 1.17: Textile Coating Roller application etc. : processing aids
ETAD 19, TEGEWA TEX 1.19: Textile Coating Roller application etc. : reactive processing aids
ETAD 23, TEGEWA TEX 1.23: Coating application of permanent coating agents during foaming
ETAD 26, TEGEWA TEX 1.27: manipulation of substances bound in materials mechanical processes resulting of release of substances
ETAD 28, TEGEWA TEX 1.29: Spraying Spraying of non-processing agents
ETAD 3, TEGEWA TEX 1.3: blending formulation of recipe with non-water based liquids
ETAD 5, TEGEWA TEX 1.5: handling transfer of non-processing aids from/to vessels at non-dedicated facilities
ETAD 8, TEGEWA TEX 1.8: handling transfer of non processing aids from/to vessels at dedicated facilities

TEGEWA LEATH 2.1: blending use of leather chemicals to prepare in-house formulations ready to use
TEGEWA LEATH 2.10: handling transfer of non processing aids into small containers
TEGEWA LEATH 2.11: handling transfer of reactive processing aids into small containers
TEGEWA LEATH 2.12: use in wet end 1 use of processing aids in wet end: bring them into contact with hides
TEGEWA LEATH 2.13: use in wet end 2 use of non processing/exhausting aids in wet end: bring them into contact with hides
TEGEWA LEATH 2.14: use in wet end 3 use of reactive processing aids in wet end: bring them into contact with hides
TEGEWA LEATH 2.15: use for leather finishing 1 use of processing aids in finishing formulations: roller application or brushing on crust
TEGEWA LEATH 2.16: use for leather finishing 2 use of (non reactive) finishing products: roller application or brushing on crust
TEGEWA LEATH 2.17: use for leather finishing 3 use of processing aids in finishing formulations: roller application or brushing on crust
TEGEWA LEATH 2.18: use for leather finishing 4 use of (non reactive) finishing products: dipping and pouring
TEGEWA LEATH 2.19: use for leather finishing 5 spraying of processing agents: apply them on crust
TEGEWA LEATH 2.2: blending LEV use of leather chemicals to prepare in-house formulations ready to use
TEGEWA LEATH 2.20: use for leather finishing 6 spraying of (non reactive) finishing products: apply them on crust
TEGEWA LEATH 2.21: use for leather finishing 7 spraying of reactive finishing products: apply them on crust
TEGEWA LEATH 2.22: use for leather finishing 8 use of reactive finishing products: roller application or brushing on crust

TEGEWA LEATH 2.23: use for leather finishing 9 use of reactive finishing products: dipping and pouring
TEGEWA LEATH 2.3, TEGEWA LEATH 2.4: handling transfer of processing aids into drums / vessels
TEGEWA LEATH 2.5, TEGEWA LEATH 2.6: handling transfer of non processing aids into drums / vessels
TEGEWA LEATH 2.8, TEGEWA LEATH 2.7: handling transfer of reactive processing aids into drums / vessels
TEGEWA LEATH 2.9: handling transfer of processing aids into small containers
TEGEWA TEX 1.10, ETAD 10: handling Transfer of processing aids into small containers
TEGEWA TEX 1.11, ETAD 11: handling Transfer of non-processing aids into small containers
TEGEWA TEX 1.14, ETAD 14: Textile application: dipping and pouring Treatment of articles by dipping and pouring: processing aids
TEGEWA TEX 1.16, ETAD 16: Textile application: dipping and pouring Treatment of articles by dipping and pouring: reactive processing aids
TEGEWA TEX 1.18, ETAD 18: Textile Coating Roller application etc. : Polymer preparations
TEGEWA TEX 1.2, ETAD 2: blending use of textile chemicals (auxiliaries) to prepare in-house formulations ready to use
TEGEWA TEX 1.22, ETAD 22: Mixing formulation of recipe: foam
TEGEWA TEX 1.24, ETAD 24: extrusion Production of preparations/articles by extrusion etc. : non processing non reactive agents
TEGEWA TEX 1.25, ETAD 25: extrusion Production of preparations/articles by extrusion etc. : cross linkers and curing agents
TEGEWA TEX 1.26: lubrication lubrication during warp knitting or weaving
TEGEWA TEX 1.28, ETAD 27: Spraying Spraying of processing agents
TEGEWA TEX 1.4, ETAD 4: handling transfer of processing aids from/to vessels at non-dedicated facilities
TEGEWA TEX 1.6, ETAD 6: handling transfer of reactive processing aids from/to vessels at non-dedicated facilities
TEGEWA TEX 1.7, ETAD 7: handling transfer of processing aids from/to vessels at dedicated facilities
TEGEWA TEX 1.9, ETAD 9: handling transfer of reactive processing aids from/to vessels at dedicated facilities

1.12 Chemical distribution

1.12.1 Structured Short Titles: FECC

FECC 1.1: Uploading /unloading
FECC 1.2: Storing
FECC 1.3: Repacking

FECC 1.4: Sampling
FECC 1.5: Forwarding (closed System)
FECC 1.6: Q Controlling
FECC 2.1: Closed System Mixing
FECC 2.2: Batch Mixing : Limited Exposure
FECC 2.3: Batch Mixing : Significant Exposure
FECC 2.4: Compressing, Extruding, Tableting
FECC 3.1: Closed System Mixin (physically bonded system)
FECC 3.2: Batch Mixing : Limited Exosure (physically bonded system)
FECC 3.3: Batch Mixing : Significant Exposure (physically bonded system)
FECC 3.4: Caldendering
FECC 3.5: Comporessing, Extruding, Tableting (physically bonded system)

2 Uses by professional workers

2.1 Resins or polymer dispersions

2.1.1 Manufacturing of resins or polymer dispersions

L2: Industrial manufactur of resins Laboratory use: R&D laboratory use
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2.2 Construction Chemicals

CC-5-1-2: Professional use of Construction Chemicals, indoor Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities.
CC-5-1-4: Professional use of Construction Chemicals, indoor Roller application or brushing.
CC-5-1-6: Professional use of Construction Chemicals, indoor Non industrial spraying.
CC-5-1-8: Professional use of Construction Chemicals, indoor Treatment of articles by dipping and pouring.

CC-5-2-1: Professional use of Construction Chemicals, indoor, without spraying: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities.
CC-5-2-2, CC-6-2-2: Professional use of Construction Chemicals, indoor, without spraying: Roller application or brushing.
CC-5-2-3, CC-6-2-3: Professional use of Construction Chemicals, indoor, without spraying: Treatment of articles by dipping and pouring.
CC-6-1-2: Professional use of Construction Chemicals, outdoor Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities.
CC-6-1-4: Professional use of Construction Chemicals, outdoor Roller application or brushing.
CC-6-1-6: Professional use of Construction Chemicals, outdoor Non industrial spraying.
CC-6-1-8: Professional use of Construction Chemicals, outdoor Treatment of articles by dipping and pouring.
CC-6-2-1: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities.

2.3 Oil

CONCAWE-8-1: Direct application to water (marine and freshwater) to emulsify oily residues
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2.4 Powder metallurgy materials

2.4.1 Structured Short Titles: EPMA

EPMA-8-1: Treatment of rusty metal parts, like bolts and nuts

2.5 Adhesives and sealants

2.5.1 Structured Short Titles: FEICA

FEICA-User 22-13, FEICA-User 22-14: Adhesive and sealants professional use Spraying of adhesives
FEICA-User 22-19, FEICA-User 22-17, FEICA-User 22-21, FEICA-User 22-18, FEICA-User 22-20: Professional Solvent use, Indoor (Processing aid) Solvents (Processing aids) used in adhesives
FEICA-User 22-23, FEICA-User 22-24, FEICA-User 22-25, FEICA-User 22-22, FEICA-User 22-26: Professional Solvent use, Outdoor (Processing aid) Solvents (Processing aids) used in adhesives
FEICA-User 22-3, FEICA-User 22-2, FEICA-User 22-4, FEICA-User 22-1: Adhesive and sealants professional use Mixing or blending of adhesives in batch processes
FEICA-User 22-6, FEICA-User 22-5: Adhesive and sealants professional use Transfer of adhesives from/to containers

FEICA-User 22-7, FEICA-User 22-12, FEICA-User 22-8, FEICA-User 22-9, FEICA-User 22-10, FEICA-User 22-11: Adhesive and sealants professional use "Low energy" application of adhesives
FEICA-User 3-27, FEICA-User 3-26: Adhesive and sealants industrial use Spraying of adhesives

2.6 Soaps, Detergents and Maintenance

2.6.1 Structured short titles: AISE

AISE-P102: Professional Use of Laundry products Laundry detergent; Semi automatic process
AISE-P103: Professional Use of Laundry products Laundry detergent; Manual process
AISE-P105: Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process
AISE-P106: Professional Use of Laundry products Conditioner (softner/starch); Manual process
AISE-P108: Professional Use of Laundry products Laundry aid (gasing); Semi automatic process
AISE-P109: Professional Use of Laundry products Laundry aid (gasing); Manual process
AISE-P1101: Professional Use of Medical Devices Medical devices ; Semi-automatic process
AISE-P1102: Professional Use of Medical Devices Medical devices ; Dipping process
AISE-P1103: Professional Use of Medical Devices Medical devices ; Manual process
AISE-P1104: Professional Use of Medical Devices Medical devices ; Spray process
AISE-P111: Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process
AISE-P112: Professional Use of Laundry products Laundry aid (non-gasing); Manual process
AISE-P113: Professional Use of Laundry products Prespotter/Stain remover; Manual process
AISE-P1200: Laboratory Use Laboratory Reagents
AISE-P1300: Professional Use of Hand Cleaners Professional Hand Cleaner
AISE-P201: Professional Use of Dishwash products Dishwash product; Manual process
AISE-P202: Professional Use of Dishwash products Dishwash product; Automatic process
AISE-P203: Professional Use of Dishwash products Dishwash product; Semi-Automatic process
AISE-P204: Professional Use of Dishwash products Rinse aid; Automatic process
AISE-P301: Professional Use of General surface cleaning products General purpose cleaner; Manual process
AISE-P302: Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process

AISE-P303: Professional Use of General surface cleaning products Kitchen cleaner; Manual process
AISE-P304: Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process
AISE-P305: Professional Use of General surface cleaning products Sanitary cleaner; Manual process
AISE-P306: Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process
AISE-P307: Professional Use of General surface cleaning products Descaling agent; Manual process
AISE-P308: Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process
AISE-P309: Professional Use of General surface cleaning products Descaling agent; Dipping process
AISE-P310: Professional Use of General surface cleaning products Oven/Grill Cleaner; Manual process
AISE-P311: Professional Use of General surface cleaning products Oven/Grill Cleaner; Spray and wipe manual process
AISE-P312: Professional Use of General surface cleaning products Glass cleaner; Manual process
AISE-P313: Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process
AISE-P314: Professional Use of General surface cleaning products Surface disinfectant; Manual process
AISE-P315: Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process
AISE-P316: Professional Use of General surface cleaning products Metal cleaning agent; Manual process
AISE-P317: Professional Use of General surface cleaning products Wet wipe; Manual process
AISE-P401: Professional Use of Floor care products Floor cleaner; Semi-Automatic process
AISE-P402: Professional Use of Floor care products Floor cleaner; Spray and wipe manual process
AISE-P403: Professional Use of Floor care products Floor cleaner; Manual process
AISE-P404: Professional Use of Floor care products Floor stripper; Manual process
AISE-P405: Professional Use of Floor care products Floor stripper; Semi-Automatic process
AISE-P406: Professional Use of Floor care products Polish / impregnating agent; Manual process
AISE-P407: Professional Use of Floor care products Polish / impregnating agent; Semi-Automatic process
AISE-P408: Professional Use of Floor care products Polish / impregnating agent; Spray and wipe manual process
AISE-P409: Professional Use of Floor care products Carpet cleaner; Manual process
AISE-P410: Professional Use of Floor care products Carpet cleaner; Semi-Automatic process
AISE-P411: Professional Use of Floor care products Carpet cleaner; Spray and brush manual process
AISE-P601: Professional Use of Maintenance Products Furniture care product; Manual process

AISE-P602: Professional Use of Maintenance Products Furniture care product; Spray and wipe manual process
AISE-P603: Professional Use of Maintenance Products Leather care product; Manual process
AISE-P604: Professional Use of Maintenance Products Leather care product; Spray and wipe manual process
AISE-P605: Professional Use of Maintenance Products Leather care product; Automatic process
AISE-P606: Professional Use of Maintenance Products Drain unblocker; Manual process
AISE-P607: Professional Use of Maintenance Products Drain cleaner; Manual process
AISE-P608: Professional Use of Maintenance Products Stainless steel care; Manual process
AISE-P609: Professional Use of Maintenance Products Stainless steel care; Spray and wipe manual process
AISE-P701: Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process
AISE-P702: Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process
AISE-P703: Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process
AISE-P704: Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process
AISE-P705: Professional Use of Vehicle cleaning Products Boat cleaner; Manual process
AISE-P706: Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process
AISE-P808: Professional Use of Food beverage and pharmacos products Animal housing care; Manual process
AISE-P901: Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process
AISE-P902: Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process

2.7 Coatings and inks

2.7.1 Structured Short Titles: CEPE

AP0101: Professional application of coatings or inks (PC 9a, 9b, 9c, 18) product delivery/storage bulk product delivery - outdoor
AP0102: product delivery/storage packaged product delivery - outdoor
AP0103: product delivery/storage product storage - indoor
AP0104: product delivery/storage product storage - outdoor
AP0201: preparation of material for application closed, continuous
AP0202: preparation of material for application batch, indoor

AP0203: preparation of material for application batch, outdoor
AP0204: preparation of material for application transfer of material from one container to another - indoor
AP0205: preparation of material for application transfer of material from one container to another - outdoor
AP0302: loading of application equipment closed, continuous
AP0303: loading of application equipment batch, indoor
AP0304: loading of application equipment batch, outdoor
AP0305: loading of application equipment - transfer of material from one container to another - indoor
AP0401: loading of application equipment transfer of material from one container to another - outdoor
AP0402: application manual spray application of coatings - outdoor
AP0403: application manual spray application of coatings - indoor
AP0404: application manual brush, roller, spreader application of coatings - outdoor
AP0405: application manual brush, roller, spreader application of coatings - indoor
AP0406: application on-line roller, spreader, flow application of printing inks - indoor
AP0407: application hand - paints, pastels, pigment powders - indoor
AP0501: application coatings from aerosol dispensers
AP0502: film formation airdrying - indoor
AP0503: film formation airdrying - outdoor
AP0504 AP0505: film formation force drying (50 - 100C)
AP0506 AP0507: film formation stoving (>100°C)
AP0701: film formation UV/EB radiation curing
AP0702: equipment cleaning open in situ - indoor
AP0703: equipment cleaning open in situ - outdoor
AP0704: equipment cleaning open off-line - indoor
AP0705: equipment cleaning open off-line - outdoor
AP1101: laboratory use QC laboratory
AP1201: waste management storage of waste prior to removal for off-site management
AP1202: waste management transfer of process wastes to storage containers: off-line in workplace

AP1203: waste management transfer of process wastes to storage containers: off-line outside

2.8 Agriculture

2.8.1 Structured Short Titles: ECPA

ECPA-1: IU1a - Application by spraying: Co-formulant in plant protection products for outdoor spraying Mixing and loading
ECPA-10: IU5b - Seed treatment and seed application: Co-formulant in plant protection products for seed treatment (outdoors) Transfer for application
ECPA-11: IU6a - Seed treatment and seed application: Co-formulant in plant protection products for seed treatment (indoors) Transfer and loading to mixing area
ECPA-12: IU6b - Seed treatment and seed application: Co-formulant in plant protection products for seed treatment (indoors) Transfer for application
ECPA-13: IU7a - Application of granular formulations: Application of granular formulations using automated system (outdoors) Mixing and loading
ECPA-14: IU7b - Application of granular formulations: Application of granular formulations using automated system (outdoors) Granule application
ECPA-15: IU8a - Application of granular formulations: Application of granular formulations using automated system (indoors) Mixing and loading
ECPA-16: IU8b - Application of granular formulations: Application of granular formulations using automated system (indoors) Granule application
ECPA-2: IU1b - Application by spraying: Co-formulant in plant protection products for outdoor spraying Spraying outdoors
ECPA-3: IU2a - Application by spraying: Co-formulant in plant protection products for indoor spraying Mixing and loading
ECPA-4: IU2 - Application by spraying: Co-formulant in plant protection products for indoor spraying Spraying indoors
ECPA-5: IU3a - Seed treatment and seed application: Application of pre-treated seeds (outdoors) Mixing and loading
ECPA-6: IU3b - Seed treatment and seed application: Application of pre-treated seeds (outdoors) Seed sowing
ECPA-7: IU4a - Seed treatment and seed application: Application of pre-treated seeds (outdoors) Mixing and loading
ECPA-8: IU4b - Seed treatment and seed application: Application of pre-treated seeds (indoors) Seed sowing
ECPA-9: IU5a - Seed treatment and seed application: Co-formulant in plant protection products for seed treatment (outdoors) Transfer and loading to mixing area

2.8.2 General: Uses of Mineral Fertilizers

Use of Mineral Fertilizers. Solid fertilizers NPK/PK/NP/Straights/phosphate fertilizer/potassium fertilizer. Surface spreading or incorporation at open field and /or forest fertilization. Fertilization of amenity (parks, public lawns, sport fields, golf c

2.8.3 Structured Short Titles: FARM REACH Consortium

Fe1.3: Use of Mineral Fertilizers. Liquid fertilizers. Surface spreading or incorporation through pipes at open fieldFertilization of amenity (parks, publiclawns, sport fields, golf courses)
Fe1.6: Use of Mineral Fertilizers. Liquid foliar fertilizers Leaf spray at open field
Fe1.7: Use of Mineral Fertilizers. Liquid fertilizers Greenhouse applications
Fe1.8: Use of Mineral Fertilizers. Liquid fertilizers Fertigation at open field
Fe1.9: Use of Mineral Fertilizers: Ammonia gas. Incorporation into soil
Fe2.1: Solid fertilizers: Handling, blending,loading/unloading and packaging of mineral fertilizers Blending of fertilizer and other compounds as compost and substrates and pesticides
Fe2.2: Solid fertilizers.:Handling, blending,loading/unloading and packaging of mineral fertilizers Packaging of fertilizer
Fe2.3: Soluble liquid or solid fertilizer or suspensin fertilizer: Handling, blending,loading/unloading and packaging of mineral fertilizers Dilution or suspension
Fe2.5: Transfer loading/unloading of liquid and solid fertilizers. Handling, blending,loading/unloading and packaging of mineral fertilizers Loading / unloading
Fe2.6: Seed treatment Treating or coating of seed with into small Fertilizer

2.9 Dyes and Organic Pigments / Textiles

2.9.1 Structured Short Titles: ETAD / TEGEWA

ETAD 1, TEGEWA TEX 1.1: blending LEV use of textile chemicals (dyes) to prepare in-house formulations ready to use
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3 Uses by consumers

3.1 Construction Chemicals

CC-7: Consumer use of Construction Chemicals, indoor Indoor application
CC-7: Consumer use of Construction Chemicals, indoor Service life of cured/installed construction chemicals, indoor
CC-8: Consumer use of Construction Chemicals, outdoor Outdoor application.
CC-8: Consumer use of Construction Chemicals, outdoor Service life of cured/installed construction chemicals, outdoor

3.2 Powder metallurgy materials

3.2.1 Structured Short Titles: EPMA

EPMA-8-1: Treatment of rusty metal parts, like bolts and nuts

3.3 Soaps, Detergents and Maintenance

3.3.1 Structured short titles: AISE

AISE C1: Consumer use of washing and cleaning products LAUNDRY REGULAR (powder, liquid) for consumer use
AISE C10: Consumer use of washing and cleaning products OVEN CLEANERS (spray, trigger) for consumer use
AISE C11: Consumer use of washing and cleaning products CARPET CLEANERS (spray, liquid) for consumer use
AISE C12: Consumer use of washing and cleaning products LAUNDRY AIDS (ironing aids-starch spray, ironing aids-other) for consumer use
AISE C13: Consumer use of washing and cleaning products DRAIN PRODUCTS (powder, gel)
AISE C14: Consumer use of washing and cleaning products DESCALERS
AISE C15: Consumer use of washing and cleaning products WIPES (bathroom, kitchen, floor) for consumer use
AISE C17: AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use
AISE C18: AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use
AISE C19: Consumer use of pest control products INSECTICIDES (liquid electric, spray neat) and REPELLENTS for consumer use
AISE C2: Consumer use of washing and cleaning products LAUNDRY COMPACT (powder, liquid/gel, tablet) for consumer use
AISE C20: Consumer use of polishes FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use
AISE C21: Consumer use of washing and cleaning products High Pressure washers/cleaners
AISE C22: Consumer use of washing and cleaning products Automotive Care (spray, liquid)
AISE C3: Consumer use of washing and cleaning products FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use
AISE C4: Consumer use of washing and cleaning products LAUNDRY ADDITIVES (powder bleach, liquid bleach, tablet) for consumer use
AISE C5: Consumer use of washing and cleaning products HAND DISHWASHING (liquid regular, liquid concentrate) for consumer use
AISE C6: Consumer use of washing and cleaning products MACHINE DISHWASHING (powder, liquid, tablet) for consumer use
AISE C7: Consumer use of washing and cleaning products SURFACE CLEANERS (liquid, powder, gel neat, spray neat) for consumer use
AISE C8: Consumer use of washing and cleaning products TOILET CLEANERS (powder, liquid, gel, tablet) for consumer use

AISE C9: Consumer use of washing and cleaning products WATER SOFTENERS (powder, liquids, Tabs) for consumer use

3.4 Coatings and inks

3.4.1 Consumer applications of coatings

Consumer application of coatings (PC 9a, 9b, 9c) preparation of material for application transfer of material from one container to another -

Consumer application of coatings (PC 9a, 9b, 9c) preparation of material for application transfer of material from one container to another - outd
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3.4.2 Structured Short Titles: CEPE

AC0101: Consumer application of coatings (PC 9a, 9b, 9c) preparation of material for application batch and indoor

AC0102: Consumer application of coatings (PC 9a, 9b, 9c) preparation of material for application batch and outdoor
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AC0201: Consumer application of coatings (PC 9a, 9b, 9c) loading of application equipment batch and indoor
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AC0202: Consumer application of coatings (PC 9a, 9b, 9c) loading of application equipment batch and outdoor

AC0203: Consumer application of coatings (PC 9a, 9b, 9c) loading of application equipment transfer of material from one container to another - indoor

AC0204: Consumer application of coatings (PC 9a, 9b, 9c) loading of application equipment transfer of material from one container to another - outdoor
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AC0301 AC0401: Consumer application of coatings (PC 9a, 9b, 9c) application brush/roller indoor

AC0302 AC0402: Consumer application of coatings (PC 9a, 9b, 9c) application brush/roller outdoor
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AC0303 AC0403: Consumer application of coatings (PC 9a, 9b, 9c) application manual spray indoor

AC0304 AC0404: Consumer application of coatings (PC 9a, 9b, 9c) application manual spray outdoor
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AC0305 AC0405: Consumer application of coatings (PC 9a, 9b, 9c) application coatings from aerosol dispensers
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AC0501: Consumer application of coatings (PC 9a, 9b, 9c) application hand - paints, pastels, pigment powders - indoor

AC0601: Consumer application of coatings (PC 9a, 9b, 9c) film formation airdrying - indoor
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AC0602: Consumer application of coatings (PC 9a, 9b, 9c) film formation airdrying - outdoor

AC0603: Consumer application of coatings (PC 9a, 9b, 9c) film formation force drying (50 - 100C)
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AC0801: Consumer application of coatings (PC 9a, 9b, 9c) equipment cleaning indoor
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AC0802: Consumer application of coatings (PC 9a, 9b, 9c) equipment cleaning outdoor

AC0901: waste management storage of waste prior to disposal

3.5 Adhesives and sealants

3.5.1 Structured Short Titles: FEICA

FEICA-User 21-13: Sealant consumer use n.a. (not applicable)
FEICA-User 21-15, FEICA-User 21-14, FEICA-User 21-16: Consumer Solvent use, Indoor Solvents (Processing aids) used in adhesives
FEICA-User 21-18, FEICA-User 21-19, FEICA-User 21-17: Consumer Solvent use, Outdoor Solvents (Processing aids) used in adhesives
FEICA-User 21-4, FEICA-User 21-10, FEICA-User 21-5, FEICA-User 21-8, FEICA-User 21-11, FEICA-User 21-12, FEICA-User 21-6, FEICA-User 21-3, FEICA-User 21-7, FEICA-User 21-2, FEICA-User 21-1, FEICA-User 21-9: Adhesive consumer use n.a. (not applicable)

3.6 Agriculture

3.6.1 Structured Short Titles: ECPA

ECPA-17: IU9 - Consumer application of sprays: Co-formulant in plant protection products for outdoor spraying
ECPA-18: IU10 - Consumer application of sprays: Co-formulant in plant protection products for indoor spraying
ECPA-19: IU11 - Application of pre-treated seeds: Application of pre-treated seeds (outdoors)
ECPA-20: IU12 - Application of pre-treated seeds: Application of pre-treated seeds (indoors)
ECPA-21: IU13 - Application of granular formulations: Application of granular formulations (outdoors)
ECPA-22: IU14 - Application of granular formulations: Application of granular formulations (indoors)

3.6.2 Structured Short Titles: FARM REACH Consortium

Fe1.2: Use of Mineral Fertilizers Surface spreading at home gardens. Products: Solid Fertilizers NPK/PK/Straights/phosphate fertilizer/potassium fertilizer
Fe1.4: Use of Mineral Fertilizers Surface spreading at home gardens. Products: all fertilizer salts including primary, secondary and micronutrient fertilizer substances
Fe1.5: Use of Mineral Fertilizers Indoor home fertilizer use. Products: all fertilizer salts including primary, secondary and micronutrient fertilizer substances
Fe2.4: Handling, blending, loading/unloading and packaging of mineral fertilizers Dilution or suspension

3.7 Dyes and Organic Pigments / Textiles

3.7.1 Structured Short Titles: ETAD / TEGEWA

TEGEWA LEATH 2.24: consumer exposure from leather articles consumer use of leather articles
TEGEWA TEX 1.21, ETAD 21: exposure from textile articles indoor use of long life textiles with low release

Uses advised against

No uses advised against are identified.

Exposure controls / personal protection

Exposure controls

General protective measures

Avoid contact with eyes and skin

Hygiene measures

Wash hands before breaks and after work.

Use barrier skin cream.

Remove soiled or soaked clothing immediately and clean thoroughly before using again.

Hand protection : For long-term exposure:

Butyl rubber gloves

Minimum breakthrough time / gloves : 480 min

Minimum thickness / gloves 0,7 mm

For short-term exposure (splash protection):

Nitrile rubber gloves.

Minimum breakthrough time / gloves : 30 min

Minimum thickness / gloves 0,4 mm

These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.

Eye protection : Depending on the risk, wear sufficient eye protection (safety glasses with side protection or goggles, and if necessary, face shield.)

Abbreviations and acronyms

AISE	International Association for Soaps, Detergents and Maintenance Products
ATC	Technical Committee of Petroleum Additive Manufacturers in Europe
ATIEL	Technical Association of the European Lubricants Industry
CEFS	European Committee of Sugar Manufacturers
CEPE	European Council of producers and importers of paints, printing inks and artists' colours
COLIPA	European Cosmetics Association
Concawe	The oil companies' European association for Environment, Health and Safety in refining and distribution
ECCA	European Coil Coating Association
ECMA	European Catalyst Manufacturers Association
ECPA	European Crop Protection Association
EDANA	International association serving the nonwovens and related industries
EIGA	European Industrial Gases Association
EFCC	European Federation for Construction Chemicals
EPMA	European Powder Metallurgy Association
EPRA	European Phenolic Resins Association
ERMA	European Resin Manufacturers Association
ESIG	European Solvents Industry Group
ESVOC	European Solvents Industry Platform
ETAD	The Ecological and Toxicological Association of Dyes and Organic Pigments Manufacturers
ETRMA	European Tyre & Rubber Manufacturers' Association
Eurométaux	European Association of non-ferrous metals
FECC	European Association of Chemical Distributors
FEICA	Association of European adhesives and sealants manufacturers
IFRA	International Fragrance Association
I&P Europe	Imaging and Printing Association
ISOPA	European Diisocyanates and Polyols Producers Association
PEST	Plastics Exposure Scenarios Team
PPRM	Polyester Powder Resin Manufacturers
RECONSILE	Silicon consortia
SRM	Solvent Resins Manufacturers
TEGEWA	German Textiles association
FARM REACH Consortium	Consortium of Manufacturers of Fertilizers and Related Materials