

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2023

Version number 10 (replaces version 9)

Revision: 27.02.2023

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

- **1.1 Product identifier**
- **Trade name: WALLIMUL RFS3085**
- **UFI: 20C0-Y03U-K00E-GPQX**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against .**
- **Application of the substance / the mixture** Emulsifier
- **Uses advised against** No further relevant information available.
- **1.3 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
- **1.4 Emergency telephone number:**
 This number is serviced during office hours: +49 2152 8999 0
 Giftinformationszentrum Nord 24h-information: +49 551 19240

SECTION 2: Hazards identification

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



GHS08 health hazard

Carc. 1B H350 May cause cancer.

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



GHS08

- **Signal word** Danger
- **(Hazard-determining) components of labelling:**
 oleic acid poly(oxyethylene) ester
 castor oil ethoxylated
- **Hazard statements**
 H350 May cause cancer.
- **Precautionary statements**
 P280 Wear protective gloves / eye protection / face protection.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
- **Additional information:** Identified impurities: 1,4-dioxane (CAS: 123-91-1)
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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- **Determination of endocrine-disrupting properties**
For information on endocrine disrupting properties see section 11.

SECTION 3: Composition/information on ingredients

- **3.1 Mixtures**
- **Description:** Mixture: consisting of the following components and identified impurities:

- **(Dangerous) components:**

CAS: 9004-96-0 Polymer	oleic acid poly(oxyethylene) ester	25-50%
CAS: 61791-12-6 NLP: 500-151-7 Reg.nr.: 01-2119958762-26	castor oil ethoxylated	25-50%
CAS: 123-91-1 EINECS: 204-661-8 Index number: 603-024-00-5	1,4-dioxane  Flam. Liq. 2, H225;  Carc. 1B, H350;  Eye Irrit. 2, H319; STOT SE 3, H335, EUH019, EUH066	≥0.1-≤0.3%

- **SVHC**

May contain an impurity deriving from the process used which has been included in the list of candidates for "substances of very high Concern" (SVHC)

123-91-1	1,4-dioxane
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- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**
Seek medical treatment.
Rinse mouth.
Do not induce vomiting.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
Risk of aspiration.

SECTION 5: Firefighting measures

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

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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Particular danger of slipping on leaked/spilled product.
Avoid contact with the eyes and skin.
- **6.2 Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **6.4 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.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Open and handle receptacle with care.
Wear protective clothing.
Do not eat, drink or smoke in working area.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 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:**
Keep away from foodstuffs, beverages and feed.
- **Further information about storage conditions:** None.
- **Storage class:** Combustible, acute toxicity category 3 / toxic or substances with chronic effects
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**

· DNELs

61791-12-6 castor oil ethoxylated

Oral	DNEL (Long-term, systemic effects)	0.14205 mg/kg/d (consumer)
Dermal	DNEL (Long-term, systemic effects)	0.56819 mg/kg/d (worker)
		0.2841 mg/kg/d (consumer)
Inhalative	DNEL (Long-term, systemic effects)	1.00181 mg/m ³ (worker)
		0.24704 mg/m ³ (consumer)

· PNECs

61791-12-6 castor oil ethoxylated

PNEC	1.18 mg/l (fresh water)
	0.118 mg/l (seawater)
	1.18 mg/l (water (intermittent release))

- **Additional information:** The lists valid during the making were used as basis.

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- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**
 Keep away from foodstuffs, beverages and feed.
 Wash hands before breaks and at the end of work.
 Store protective clothing separately.
 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.
- **Hand protection**



Protective gloves

- **Material of gloves**
 e.g. Nitrile rubber, NBR
 Recommended thickness of the material: ≥ 0.5 mm
- **Penetration time of glove material**
 Minimum breakthrough time : > 120 min (Permeation according to EN 374 Part 3: level 4)
- **Eye/face protection**



Tightly sealed goggles (EN 166).

- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Fluid
- **Colour:** Yellow
- Clear
- **Odour:** Odourless
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** ≤ 0 °C
- **Boiling point or initial boiling point and boiling range** Undetermined.
- **Flammability** The substance is capable of catching fire or being set on fire.
- **Lower and upper explosion limit**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** >200 °C
- **Ignition temperature:** Undetermined.
- **Decomposition temperature:** Not determined.
- **pH (10 g/l) at 20 °C** ca. 6.0 - 7.5
- **Viscosity:**
- **Kinematic viscosity** Not determined.

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· Dynamic:	Not determined.
· Solubility	
· water:	Emulsifiable.
· Partition coefficient n-octanol/water (log value)	Product is an emulsifier.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C:	0.99 g/cm ³ 0.97 g/cm ³ (60°C)
· Relative density	Not determined.
· Vapour density	Not determined.
9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Change in condition	
· Evaporation rate	Not determined.
Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
Product is stable under normal ambient conditions.
No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.

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

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

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Oral	LD50	>2000 mg/kg (--)
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61791-12-6 castor oil ethoxylated

Oral	LD50	6500 mg/kg (mouse) (REACH Dossier)
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Dermal	LD50	>2000 mg/kg (rabbit) (REACH Dossier)
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9004-96-0 oleic acid poly(oxyethylene) ester

Oral	LD50	>2000 mg/kg (--) (CESIO)
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- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Literature
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

- **Other information** No further relevant information available.

SECTION 12: Ecological information

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

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EC50	>100 mg/l (daphne)
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LC50	>100 mg/l (fish)
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IC50	>100 mg/l (alga)
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- **12.2 Persistence and degradability**
readily biodegradable
Degradation rate >70% Time (d) 28 days Method OECD 301F (CAS: 9004-96-0)
Degradation rate ≥70% Time (d) 28 days Method OECD 301D (CAS: 61791-12-6)
- **Other information:**
This statement was deduced from products with a similar structure or composition.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.

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- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

- **13.1 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.

SECTION 14: Transport information

- | | |
|---|-----------------|
| · 14.1 UN number or ID number | |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name | |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **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.

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· REGULATION (EU) 2019/1148
· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:
· Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

· Other regulations, limitations and prohibitive regulations
· Substances of very high concern (SVHC) according to REACH, Article 57

May contain an impurity deriving from the process used which has been included in the list of candidates for "substances of very high Concern" (SVHC)

123-91-1	1,4-dioxane
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· 15.2 Chemical safety assessment:

Chemical safety assessments for substances in this mixture, that are subject to registration:
A Chemical Safety Assessment has not been carried out.

SECTION 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.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H350 May cause cancer.
 EUH019 May form explosive peroxides.
 EUH066 Repeated exposure may cause skin dryness or cracking.

· Department issuing SDS: Safety and Health group

· Contact: Dr. Astrid Kawka, Birgit Fielers

· Date of previous version: 21.11.2022

· Version number of previous version: 9

· 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
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative

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Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Carc. 1B: Carcinogenicity – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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

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