

SECTION 1. Identification of the substance/mixture and of the company/enterprise**1.1. Product identifier**

Product name : STERYL Vasche

Product code: refer to sales department

1.2. Relevant identified uses of the substance or mixture and uses advised against

Stabilisers

Sectors of use:

Manufacture of food products[SU4]

Product category:

Process aid for enological use

Not recommended uses

Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

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SECTION 2. Hazards identification**2.1. Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS07, GHS08, GHS09

Hazard Class and Category Code(s):

Skin Irrit. 2, Skin Sens. 1B, Eye Irrit. 2, Resp. Sens. 1, Aquatic Chronic 2

Hazard statement Code(s):

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H411 - Toxic to aquatic life with long lasting effects.

If brought into contact with eyes, the product causes significant irritations which may last for more than 24 hours, if brought into contact with skin, it causes significant inflammation with erythema, scabs, or edema

The product, if inhaled, can cause respiratory sensitization, and if brought into contact with skin can cause skin sensitization.

The product is dangerous to the environment as it is toxic to aquatic life with long lasting effects

2.1.2 Additional information:

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

GHS07, GHS08, GHS09 - Danger



Hazard statement Code(s):

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H411 - Toxic to aquatic life with long lasting effects.

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

Prevention

P273 - Avoid release to the environment.

P280 - Wear protective gloves and eye/face protection.

P284 - In case of inadequate ventilation wear respiratory protection.

Response

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or a doctor.

Disposal

P501 - Dispose of contents/container to local/regional/national/international regulations

Contains:

allyl isothiocyanate

Ingredients: discs of pure paraffin (about g 20) impregnated with allyl isothiocyanate (a) 17‰.

Food use, oenological use. Not intended for the final consumer. In accordance with current regulations on the specific matter. Only for industrial use.

(a)=mustard and mustard-based products

(<Mustard and products thereof> in compliance with Regulation (EU) No 1169/2011 - Annex II and subsequent additions and modifications)

2.3. Other hazards

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

The use of this chemical agent implies the obligation of the "risk assessment" by the employer according to the provisions of Legislative Decree April 9, 2008 no. 81 and subsequent amendments. If the results of the risk assessment demonstrate that, in relation to the type, quantity, methods and frequency of exposure, there is only a low risk for the safety and irrelevant for the health of the workers and that the measures referred to in paragraph 1 of Legislative Decree April 9, 2008 no. 81 are sufficient to reduce the risk, the provisions of articles 225, 226, 229, 230 of the same Legislative Decree do not apply

SECTION 3. Composition/information on ingredients**3.1 Substances**

Irrelevant

3.2 Mixtures

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
Paraffin and Hydrocarbon waxes substance for which there are Community workplace exposure limits	$\geq 50 < 100\%$			8002-74-2	232-315-6	exempt, art 2 par 5
Paraffin waxes and Hydrocarbon waxes, microcryst substance for which there are Community workplace exposure limits	$\geq 5 < 10\%$			63231-60-7	264-038-1	exempt, art 2 par 5
ALLYL ISOTHIOCYANATE	$\geq 1 < 2,5\%$	Flam. Liq. 3, H226; Acute Tox. 4, H302; Acute Tox. 3, H311; Skin Corr. 1C, H314; Skin Sens. 1B, H317; Eye Dam. 1, H318; Acute Tox. 2, H330; Resp. Sens. 1, H334; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 10 ATE oral = 425,000 mg/kg ATE dermal = 300,000 mg/kg ATE inhal = 0,500 mg/l/4 h		57-06-7	200-309-2	Esente-articolo 2.5

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation:

Ventilate the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Take off immediately contaminated clothing.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

Not dangerous. In case of malaise consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

If skin irritation occurs: Get medical advice/attention and, if possible, give them this document.

If eye irritation persists: Get medical advice/attention and, if possible, give them this document.

If experiencing respiratory symptoms: Call a POISON CENTER or a doctor. If possible, give them this document.

Symptomatic treatment

UFI code on the packaging

SECTION 5. Firefighting measures**5.1. Extinguishing media**

Suggested extinguishing media:

Water spray, CO₂, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing media to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective clothing.

The water spray can be used to protect the people involved in the extinction.

You may also use self-contained breathing apparatus, especially when working in confined and poorly ventilated areas.

Keep containers cool with water spray

SECTION 6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provide a sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spills

Inform the competent authorities.

Dispose of the waste material in compliance with the regulations

6.3. Methods and material for containment and cleaning up**6.3.1 Containment:**

Rapidly recover the product, wear a mask and protective clothing (for specifications refer to section 8.2. SDS)
Recover the product for reuse, if possible, or for elimination.

6.3.2 Cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage**7.1. Precautions for safe handling**

Wear protective gloves and eye/face protection.

At work do not eat or drink.

Contaminated work clothing should not be allowed out of the workplace.

See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabelled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool and dry place, away from heat sources and direct exposure to sunlight.

7.3. Specific end use(s)

Manufacture of food products:

Handle with care.

Store in a clean, dry, ventilated area away from heat and direct sunlight.

Keep container tightly closed.

SECTION 8. Exposure controls/personal protection**8.1. Control parameters**

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Related to contained substances:

Paraffin and Hydrocarbon waxes:

ACGIH 2024

TLV – TWA: 2mg/m³ per i vapori

Gestis

TLV - TWA (Threshold Limit Value - Time Weighted Average) - Eight hours (mg/m³)

Australia: 2

Belgium: 2 (1) Remarks: (1) fume

Canada - Ontario: 2

Canada - Québec: 2

Denmark: 2

Finland:1
France: 2
Ireland: 2
New Zealand: 2
Norway: 2
People's Republic of China:2
Romania: 2
Singapore: 2
South Africa: 4
South Africa Mining: 2
South Korea: 2
Spain: 2
Switzerland: 2(1) Remarks: (1) respirable aerosol
USA - NIOSH: 2
United Kingdom: 2

TLV-STEL Threshold limit value – short-term exposure limit (mg/m³)

Denmark: 4
Ireland: 6(1) Remarks: (1) 15 minutes reference period
People's Republic of China: 4(1): Remarks: (1) 15 minutes average value
Romania:6(1) Remarks: (1) 15 minutes average value
South Africa Mining: 6(1) Remarks: (1) 15 minutes average value
United Kingdom: 6(1) Remarks: (1) 15 minutes average value

Paraffin waxes and Hydrocarbon waxes, microcryst:
TLV – TWA: 2mg/m³ per i vapori (supplier)

8.2. Exposure controls



Appropriate engineering controls:

Manufacture of food products:

No specific monitoring foreseen (act according to good practice and specific rules for the type of risk associated)

8.2.2 Individual protection measures:

(a) Eye / face protection

When handling the pure product use safety glasses (EN 166).

(b) Skin protection

(i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other

When handling the pure product, wear clothing that completely protects the skin (general work clothing) or other protective equipment, as indicated by the employer.

(c) Respiratory protection

Use adequate protective respiratory equipment (EN 14387:2008)

(d) Thermal hazards

No hazard to report

8.2.3 Environmental exposure controls:

Use in accordance with good working practices, avoiding dispersing the product into the environment.

SECTION 9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical and chemical properties	Value	Determination method
Physical state	disks	
Colour	Yellowish	
Odour	not determined	
Odour threshold	not determined as considered not relevant for the characterization of the product	
Melting point/freezing point	60 - 95°C	
Boiling point or initial boiling point and boiling range	not determined as considered not relevant for the characterization of the product	
Flammability	not determined as considered not relevant for the characterization of the product	
Lower and upper explosion limit	not determined as considered not relevant for the characterization of the product	
Flash point	not determined as considered not relevant for the characterization of the product	ASTM D92
Auto-ignition temperature	not determined as considered not relevant for the characterization of the product	
Decomposition temperature	not determined as considered not relevant for the characterization of the product	
pH	not determined as considered not relevant for the characterization of the product	
Kinematic viscosity	not determined as considered not relevant for the characterization of the product	
Solubility	not determined as considered not relevant for the characterization of the product	
Water solubility	not determined as considered not relevant for the characterization of the product	
Partition coefficient n-octanol/water (log value)	not determined as considered not relevant for the characterization of the product	
Vapour pressure	not determined as considered not relevant for the characterization of the product	
Density and/or relative density	0,90 ± 0,05 (20°C)	
Relative vapour density	not determined as considered not relevant for the characterization of the product	
Particle characteristics	not determined as considered not relevant for the characterization of the product	

9.2. Other information

9.2.1 Information with regard to physical hazard classes

Irrilevant

9.2.2 Other safety characteristics

Irrilevant

SECTION 10. Stability and reactivity**10.1. Reactivity**

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Related to contained substances:

Paraffin and Hydrocarbon waxes:

May react with oxidizing agents such as chlorates, nitrates, peroxides, etc.

Paraffin waxes and Hydrocarbon waxes, microcryst:

May react with oxidizing agents such as chlorates, nitrates, peroxides, etc.

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

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Related to contained substances:

Paraffin and Hydrocarbon waxes:

It is advisable to avoid contact with heat sources, open flames and strong oxidizing agents.

Paraffin waxes and Hydrocarbon waxes, microcryst:

It is advisable to avoid contact with heat sources, open flames and strong oxidizing agents.

ALLYL ISOTHIOCYANATE:

Excessive heat, flame or other ignition sources.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

- (a) acute toxicity: based on available data, the classification criteria are not met
ATE(mix) oral = 25,449.1 mg/kg
ATE(mix) dermal = 17,964.1 mg/kg
ATE(mix) inhal = 29.9 mg/l/4 h
- (b) skin corrosion/skin irritation: based on available data, the classification criteria are met for skin irritation
- (c) serious eye damage/eye irritation: based on available data, the classification criteria are met for eye irritation
- (d) respiratory or skin sensitisation: based on available data, the classification criteria are met
- (e) germ cell mutagenicity: based on available data, the classification criteria are not met.
- (f) carcinogenicity: based on available data, the classification criteria are not met.
- (g) reproductive toxicity: based on available data, the classification criteria are not met.
- (h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.
- (i) specific target organ toxicity (STOT) repeated exposure: based on available data, the classification criteria are not met.
- (j) aspiration hazard: based on available data, the classification criteria are not met.

With regard to the substances contained:

- (a) acute toxicity:
Paraffin waxes and hydrocarbons:
Ingestion - LD50 rat (mg/kg/24h bw): not available
Skin contact - LC50 rat/rabbit (mg/kg/24h bw): not available
Inhalation - LD50 rat (mg/l/4h): not available
Paraffin waxes and hydrocarbon waxes, microcrystals:
Ingestion - LD50 rat (mg/kg/24h bw): not available
Skin contact - LC50 rat/rabbit (mg/kg/24h bw): not available
Inhalation - LD50 rat (mg/l/4h): not available
Allyl isothiocyanate: Inhalation - LD50 rat (mg/l/4h): 0.5 vapours
Harmful if swallowed, fatal if inhaled, toxic in contact with skin
- (b) skin corrosion/skin irritation: The product, if in contact with skin, causes significant inflammation with erythema, scabs or oedema.
Paraffin waxes and hydrocarbons: based on available data, the classification criteria are not met
Paraffin waxes and hydrocarbon waxes, microcrystals: based on available data, the classification criteria are not met
Allyl isothiocyanate: Corrosive
Paraffin waxes and hydrocarbons: based on available data, the classification criteria are not met
Paraffin waxes and hydrocarbon waxes, microcrystals: based on available data, the classification criteria are not met
Allyl isothiocyanate: Irritant
- (c) serious eye damage/eye irritation: The product, if brought into contact with the eyes, causes significant irritation that may last for more than 24 hours.
Paraffin waxes and hydrocarbons: based on available data, the classification criteria are not met
Paraffin waxes and hydrocarbon waxes, microcrystals: based on available data, the classification criteria are not met
Allyl isothiocyanate: Corrosive
Paraffin waxes and hydrocarbons: based on available data, the classification criteria are not met
Paraffin waxes and hydrocarbon waxes, microcrystals: based on available data, the classification criteria are not met
Allyl isothiocyanate: Irritant
- (d) respiratory or skin sensitisation: The product, if inhaled, may cause respiratory sensitisation; if in contact with the skin, it may cause skin sensitisation.
Paraffin waxes and hydrocarbons: based on available data, the classification criteria are not met

Paraffin waxes and hydrocarbon waxes, microcrystals: based on available data, the classification criteria are not met
Allyl isothiocyanate: May cause an allergic skin reaction
May cause allergic or asthmatic symptoms or breathing difficulties if inhaled

(e) Germ cell mutagenicity: Paraffin waxes and hydrocarbons: based on available data, the classification criteria are not met

Paraffin waxes and hydrocarbons: based on available data, the classification criteria are not met

Paraffin waxes and hydrocarbons, microcrystals: based on available data, the classification criteria are not met

Paraffin waxes and hydrocarbons: based on available data, the classification criteria are not met

Allyl isothiocyanate: Based on available data, the classification criteria are not met

(f) Carcinogenicity: Paraffin waxes and hydrocarbons: based on available data, the classification criteria are not met

Paraffin waxes and hydrocarbon waxes, microcrystals: based on available data, the classification criteria are not met

Allyl isothiocyanate: Based on available data, the criteria for classification are not met

(g) reproductive toxicity: Paraffin waxes and hydrocarbons: based on available data, the classification criteria are not met

Paraffin waxes and hydrocarbon waxes, microcrystals: based on available data, the classification criteria are not met

Allyl isothiocyanate: Based on available data, the classification criteria are not met

(h) Specific target organ toxicity (STOT) single exposure: Paraffin waxes and hydrocarbons: Based on available data, the classification criteria are not met

Paraffin waxes and hydrocarbon waxes, microcrystals: based on available data, the classification criteria are not met

Allyl isothiocyanate: Based on available data, the classification criteria are not met

(i) specific target organ toxicity (STOT) repeated exposure: Paraffin waxes and hydrocarbons: based on available data, the classification criteria are not met
Paraffin waxes and hydrocarbon waxes, microcrystals: based on available data, the classification criteria are not met

Allyl isothiocyanate: Based on available data, the criteria for classification are not met

(j) Aspiration hazard: Paraffin waxes and hydrocarbons: based on available data, the classification criteria are not met

Paraffin waxes and hydrocarbon waxes, microcrystals: based on available data, the classification criteria are not met

Allyl isothiocyanate: based on available data, the classification criteria are not met

11.2. Information on other hazards

No data available.

11.2.1. Endocrine disrupting properties

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

SECTION 12. Ecological information

12.1. Toxicity

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Related to contained substances:

Paraffin and Hydrocarbon waxes:

Acute toxicity - fish LC50 (mg/l/96h): not available

Acute toxicity - crustaceans EC50 (mg/l/48h): not available

Acute toxicity - algae ErC50 (mg/l/72-96h): not available

Chronic toxicity - fish NOEC (mg/l): not available

Chronic toxicity - crustaceans NOEC (mg/l): not available

Chronic toxicity - algae NOEC (mg/l): not available

Toxicity to microorganisms: not available

Paraffin waxes and Hydrocarbon waxes, microcryst:

Acute toxicity - fish LC50 (mg/l/96h): not available
Acute toxicity - crustaceans EC50 (mg/l/48h): not available
Acute toxicity - algae ErC50 (mg/l/72-96h): not available
Chronic toxicity - fish NOEC (mg/l): not available
Chronic toxicity - crustaceans NOEC (mg/l): not available
Chronic toxicity - algae NOEC (mg/l): not available
Toxicity to microorganisms: not available

ALLYL ISOTHIOCYANATE:

Acute toxicity - LC50 fish (mg / l / 96h): nd Acute toxicity - crustaceans EC50 (mg / l / 48h): nd Acute toxicity algae ErC50 (mg / l / 72-96h): nd Chronic toxicity - NOEC fish (mg / l): nd Chronic toxicity - crustaceans NOEC (mg / l): nd Chronic toxicity NOEC algal (mg / l): nd
Acute toxicity M-factor = 1
Chronic toxicity M-factor = 10

The product is dangerous for the environment as it is toxic to aquatic organisms following acute exposure.

Use according to good working practices and avoid to disperse the product into the environment.

12.2. Persistence and degradability

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Related to contained substances:
Paraffin and Hydrocarbon waxes:
Not available

Paraffin waxes and Hydrocarbon waxes, microcryst:
Not available

ALLYL ISOTHIOCYANATE:
Not available

12.3. Bioaccumulative potential

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Related to contained substances:
Paraffin and Hydrocarbon waxes:
The product is not bioaccumulative

Paraffin waxes and Hydrocarbon waxes, microcryst:
It is not bioaccumulative

ALLYL ISOTHIOCYANATE:
Not available

12.4. Mobility in soil

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Related to contained substances:
Paraffin and Hydrocarbon waxes:
Not available

Paraffin waxes and Hydrocarbon waxes, microcryst:

Not available

ALLYL ISOTHIOCYANATE:

Not available

12.5. Results of PBT and vPvB assessment

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

12.6. Endocrine disrupting properties

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

12.7. Other adverse effects

No adverse effects

SECTION 13. Disposal considerations

13.1. Waste treatment methods

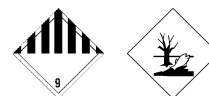
Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

SECTION 14. Transport information

14.1. UN number or ID number

ADR/RID/IMDG/ICAO-IATA: 3077



If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 5 kg per package 30 kg

Inner packaging placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 5 kg per package 20 kg

14.2. UN proper shipping name

ADR/RID/IMDG: MATERIA PERICOLOSA PER L'AMBIENTE, SOLIDA, N.A.S. (Isotiocianato di allile in miscela)

ADR/RID/IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Allyl isothiocyanate in mixture)

ICAO-IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Allyl isothiocyanate in mixture)

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 9

ADR/RID/IMDG/ICAO-IATA: Label : 9 + Environmentally hazardous

ADR: Tunnel restriction code : --

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 kg

IMDG - EmS : F-A, S-F

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: III

14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is environmentally hazardous

IMDG: Marine polluting agent : No

14.6. Special precautions for user

The transport must be carried out by authorized vehicles for the transport of dangerous goods in accordance with the requirements of the applicable Edition of the agreement A.D.R. and national provisions. The transport must be carried out in the original packaging and in packages that are made from materials resistant to content and not likely to generate with this dangerous reactions. The process of loading and unloading of dangerous goods have received adequate training on the risks presented by prepared and on possible procedures to be taken in the event of emergency situations

14.7. Maritime transport in bulk according to IMO instruments

Transport in bulk is not foreseen

SECTION 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Restrictions relating to the product or the substances contained (Annex XVII EC Reg. 1907/2006): not applicable
Substances in Candidate list (art. 59 EC Reg. 1907/2006): the product does not contain SVHC in percentage = a 0.1 %.

Regulation (EU) 1169/2011: see point 2.2

Regulation (EU) 1308/2013; see point 2.2

Regulation (EC) 1333/2008; see point 2.2

Seveso category:

E2 - ENVIRONMENTAL HAZARDS

REGULATION (EU) No 1357/2014 - waste:

HP4 - Irritant — skin irritation and eye damage

HP14 - Ecotoxic

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION 16. Other information

16.1. Other information

Points changed from the previous revision: 2.1. Classification of the substance or mixture, 2.2. Label elements, 3.2. Mixtures, 8.1. Control parameters, 8.2. Exposure controls, 11.1. Information on toxicological effects, 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Description of hazard statements set out in paragraph 3

H226 = Flammable liquid and vapour.

H302 = Harmful if swallowed.

H311 = Toxic in contact with skin.

H314 = Causes severe skin burns and eye damage.

H317 = May cause an allergic skin reaction.

H318 = Causes serious eye damage.

H330 = Fatal if inhaled.

H334 = May cause allergy or asthma symptoms or breathing difficulties if inhaled

H400 = Very toxic to aquatic life.

H410 = Very toxic to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008

H315 - Causes skin irritation. Classification procedure: Calculation method

H317 - May cause an allergic skin reaction. Classification procedure: Calculation method

H319 - Causes serious eye irritation. Classification procedure: Calculation method

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled Classification procedure: Calculation method

H411 - Toxic to aquatic life with long lasting effects. Classification procedure: Calculation method

Main normative references:

Reg. (CE) n. 1907 del 18/12/06 REACH (Registration, Evaluation and Authorisation of CHemicals) et seq.

Reg. (CE) 1272/2008 CLP (Classification Labelling and Packaging) et seq.

Directive 2012/18/EU (on the control of major-accident hazards involving dangerous substances) et seq.

Training required: This document must be submitted to the employer to determine the possible need for appropriate training for workers to ensure protection of human health and the environment.

n.a.: not applicable

n.d.: not available

ADR: Accord européen relative au transport International des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

ATE: Acute Toxicity Estimati

BFC: BioconCentration Factor

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstract Service number

CAP: Centre AntiPoison

CE/EC number EINECS (European Inventory of existing Commercial Substances) e ELINCS (European List of notified Chemical Substances)

CL50/LC50: Lethal Concentration 50

DL50/LD50: Lethal Dose 50

COD: Chemical Oxygen Demand

DNEL: Derived No Effect Level

EC50: half maximal Effective Concentration

ERC: Enviroment Release Classes

EU/UE: European Union

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Dangerous Goods code

Kow: Octanol water partition coefficient
NOEC: No Observed Effect Concentration
OEL: Occupational Exposure Limit
PBT: Persistent Bioaccumulative and Toxic
PC: Product Categories
PNEC: Predicted No Effect Concentration
PROC: Process Categories
RID: Règlement concernant le transport International ferroviaire des marchandises dangereuses (Regulations concerning International rail transport of dangerous goods)
STOT: Target Organ Systemic Toxicity
STOT (RE): Repeated Exposure
STOT (SE): Single Exposure
STP: Sewage Treatment Plants
SU: Sector of Use
SVCH: Substance of Very High Concern
TLV: Threshold Limit Value
vPvB: Very Persistent Very Bioaccumulative

References and Sources:

- ECHA Registered Substances:
<https://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>
- SDS raw material supplier
- GESTIS International Limit Value: <http://limitvalue.ifa.dguv.de>

This msds was made in good faith by technical Office on the basis of the information available at the date of the last revision. The person in charge must regularly inform the employees about the specific risks they encounter when using this substance/product. The information contained here relate only to the substance/the preparation indicated and may not apply if the product is used improperly or in combination with others. Nothing contained herein shall be construed as a guarantee, either express or implied. It is the responsibility of the user to ensure the opportunities and completeness of the information contained herein for their own particular use.

*** this tab annuls and replaces any previous edition. (IIXX)

Changes to the previous edition: variation on classification.
