WIZARD SOLVENT BASED CORRECTION FLUID

Safety Data Sheet

Safety data sheet in accordance with commission regulation (EU) No 2020/878.
Issue date: 04-06-21 Revision date: 16-12-25 Supersedes version of: 10-08-21 Version: 4.0

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

1.1. Product identifier

Product form : Mixture
Product name : WIZARD SOLVENT BASED CORRECTION FLUID
UFI : GV00-U05T-N00C-EME7

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

1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use
Use of the substance/mixture : Correction fluid for paper or fax copies.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Distributor
Hainenko Limited
Chase Road Southgate, 284
N14 6HF London
United Kingdom
T +44 20 8 882 8734 - F +44 20 8 882 7749
sales@hainenko.com

1.4. Emergency telephone number

Emergency number : +44 2088828734

Country	Official advisory body	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA	0344 892 0111	Only for healthcare professionals
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals
United Kingdom	NHS 111/NHS 24/NHS Direct		111 0845 4647	or call a doctor

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3	H226
Skin corrosion/irritation, Category 2	H315
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. Causes skin irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS02 GHS07 GHS09

Signal word (CLP) : Warning

Contains : Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).]

Hazard statements (CLP) : H226 - Flammable liquid and vapour.
H315 - Causes skin irritation.
H336 - May cause drowsiness or dizziness.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing vapours.
P273 - Avoid release to the environment.
P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH-statements : EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Extra phrases : For professional users only.

Child-resistant fastening : Not applicable

Tactile warning : Not applicable

Labelling according to: exemption for packages of a capacity of 125ml or less

Hazard pictograms (CLP) :

GHS02 GHS07 GHS09

Signal word (CLP) : Warning

Hazardous ingredients : Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).]

Hazard statements (CLP)	:	H336 - May cause drowsiness or dizziness.
Precautionary statements (CLP)	:	P102 - Keep out of reach of children. P261 - Avoid breathing vapours. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.
EUH-statements	:	EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Extra phrases	:	For professional users only.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
Calcium carbonate (471-34-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).] (64741-84-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : Mixture. Solvent correction fluid, 20 ml, packed in plastic bottle with brush.

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).] (Note P)	CAS-No.: 64741-84-0 EC-No.: 265-086-6 REACH-no: 01-2119485160-44	35 – 45	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Calcium carbonate	CAS-No.: 471-34-1 EC-No.: 207-439-9 REACH-no: 01-2119486795-18	30 – 35	Not classified
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] substance with national workplace exposure limit(s) (AT, BE, BG, DK, EE, ES, FR, GB, GR, HR, IE, LT, LV, PL, PT, RO, SE, SK, IS, NO, CH) (Note V)(Note W)(Note 10)	CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-002 REACH-no: 01-2119489379-17	10 – 15	Carc. 2, H351

Note P: The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P260-P262-P301 + P310- P331 shall apply.

Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

Note V: If the substance is to be placed on the market as fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied.

Note W: It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse immediately with plenty of water (for at least 15 minutes). If irritation persists, consult an eye specialist. Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard	:	Flammable liquid and vapour.
Hazardous decomposition products in case of fire	:	Toxic fumes may be released. Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

Firefighting instructions	:	Cool down the containers exposed to heat with a water spray.
Protection during firefighting	:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	:	Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing vapours. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment	:	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	:	Collect spillage.
Methods for cleaning up	:	Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	:	Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Avoid breathing vapours. Avoid contact with skin and eyes.
Hygiene measures	:	Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Store in a well-ventilated place. Keep cool. Store in original container. Keep container tightly closed. Avoid ignition sources.
Packaging materials	:	Original packaging.

7.3. Specific end use(s)

see section(s) : 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Calcium carbonate (471-34-1)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	10 mg/m³ inhalable aerosol 4 mg/m³ respirable aerosol

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)	
United Kingdom - Occupational Exposure Limits	
Local name	Titanium dioxide
WEL TWA (OEL TWA) [1]	4 mg/m³ respirable 10 mg/m³ total inhalable
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Calcium carbonate (471-34-1)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	Hazard: not identified
Acute - systemic effects, inhalation	Hazard: not identified
Acute - local effects, dermal	Hazard: not identified
Acute - local effects, inhalation	Hazard: not identified
Long-term - systemic effects, dermal	Hazard: not identified
Long-term - local effects, dermal	Hazard: not identified
Long-term - systemic effects, inhalation	Hazard: not identified
Long-term - local effects, inhalation	6,36 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	Hazard: not identified
Acute - systemic effects, inhalation	Hazard: not identified
Acute - systemic effects, oral	6,1 mg/kg bodyweight
Acute - local effects, dermal	Hazard: not identified
Acute - local effects, inhalation	Hazard: not identified
Long-term - systemic effects,oral	6,1 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	Hazard: not identified
Long-term - systemic effects, dermal	Hazard: not identified
Long-term - local effects, dermal	Hazard: not identified
Long-term - local effects, inhalation	1,06 mg/m³

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	Hazard: not identified
Acute - systemic effects, inhalation	Hazard: not identified

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)	
Acute - local effects, dermal	Hazard: not identified
Acute - local effects, inhalation	Hazard: not identified
Long-term - systemic effects, dermal	Hazard: not identified
Long-term - local effects, dermal	Hazard: not identified
Long-term - systemic effects, inhalation	Hazard: not identified
Long-term - local effects, inhalation	1,25 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	Hazard: not identified
Acute - systemic effects, inhalation	Hazard: not identified
Acute - systemic effects, oral	Hazard: not identified
Acute - local effects, dermal	Hazard: not identified
Acute - local effects, inhalation	Hazard: not identified
Long-term - systemic effects,oral	Hazard: not identified
Long-term - systemic effects, inhalation	Hazard: not identified
Long-term - systemic effects, dermal	Hazard: not identified
Long-term - local effects, dermal	Hazard: not identified
Long-term - local effects, inhalation	210 µg/m³

Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).] (64741-84-0)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	High hazard (no threshold derived)
Acute - systemic effects, inhalation	1286,4 mg/m³ Neurotoxicity Study
Acute - local effects, dermal	Low hazard (no threshold derived)
Acute - local effects, inhalation	160,23 mg/m³ Irritation (Respiratory tract)
Long-term - systemic effects, dermal	950 µg/kg bodyweight/day Repeated dose toxicity
Long-term - local effects, dermal	High hazard (no threshold derived)
Long-term - systemic effects, inhalation	1,9 mg/m³ Repeated dose toxicity
Long-term - local effects, inhalation	2,31 mg/m³ Irritation (Respiratory tract)
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	High hazard (no threshold derived)
Acute - systemic effects, inhalation	1152 mg/m³ Neurotoxicity Study
Acute - systemic effects, oral	25,6 mg/kg bodyweight/day Acute toxicity
Acute - local effects, dermal	Low hazard (no threshold derived)
Acute - local effects, inhalation	143,5 mg/m³ Irritation (Respiratory tract)
Long-term - systemic effects,oral	30 µg/kg bodyweight/day Repeated dose toxicity
Long-term - systemic effects, inhalation	410 µg/m³ Repeated dose toxicity
Long-term - systemic effects, dermal	280 µg/kg bodyweight/day Repeated dose toxicity

Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).] (64741-84-0)	
Long-term - local effects, dermal	High hazard (no threshold derived)
Long-term - local effects, inhalation	690 µg/m³ Irritation (Respiratory tract)

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:
Not required for normal conditions of use

8.2.2.2. Skin protection

Skin and body protection:
Not required for normal conditions of use

8.2.2.3. Respiratory protection

Respiratory protection:
Not required for normal conditions of use

8.2.2.4. Thermal hazards

Thermal hazard protection:
Not required.

8.2.3. Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	white.
Odour	:	Mild odor.
Odour threshold	:	Not applicable
Melting point	:	Not applicable
Freezing point	:	Not applicable
Boiling point	:	25 – 200 °C (Naphtha (petroleum), solvent-refined light: Source: ECHA)
Flammability	:	Not applicable
Explosive limits	:	1,1 – 7,6 vol % (Naphtha (petroleum), solvent-refined light; SDS supplier)
Lower explosion limit	:	1,1 vol % (Naphtha (petroleum), solvent-refined light, SDS supplier)
Upper explosion limit	:	7,6 vol % (Naphtha (petroleum), solvent-refined light, SDS supplier)
Flash point	:	55 – 65 °C (closed cup), Pensky - Martens, EN ISO 2719
Auto-ignition temperature	:	> 200 °C (Naphtha (petroleum), solvent-refined light; Source: ECHA)
Decomposition temperature	:	Not applicable
pH	:	Not applicable
Viscosity, kinematic	:	> 25 mm²/s (40 °C); calculated
Solubility	:	Water: Insoluble
Partition coefficient n-octanol/water (Log Kow)	:	Not applicable

Partition coefficient n-octanol/water (Log Pow)	:	Not applicable
Vapour pressure	:	4 – 240 kPa (Naphtha (petroleum), solvent-refined light: Source: ECHA)
Vapour pressure at 50°C	:	Not applicable
Density	:	1,1 – 1,2 g/cm³ (pycnometer; (20+0.5)°C; EN ISO 2811)
Relative density	:	0,62 – 0,88 (Naphtha (petroleum), solvent-refined light; Source: ECHA)
Relative vapour density at 20°C	:	Not applicable
Particle characteristics	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Explosion limits	:	1,1 – 7,6 vol % (Naphtha (petroleum), solvent-refined light; SDS supplier)

9.2.2. Other safety characteristics

Other properties	:	flow time : 30 - 35 s (cup 4 mm)
Solvent content	:	40 - 45 %

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	:	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	:	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	:	Not classified (Based on available data, the classification criteria are not met)

Calcium carbonate (471-34-1)	
LD50 oral rat	> 2000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	> 3 mg/l 4 h

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)	
LD50 oral rat	> 5000 mg/kg bodyweight
LC50 Inhalation - Rat	> 6,82 mg/l

Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).] (64741-84-0)	
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 401 method)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (OECD 402 method)
LC50 Inhalation - Rat	> 5610 mg/l (OECD 403 method)

Skin corrosion/irritation : Causes skin irritation.
pH: Not applicable

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: Not applicable

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified. (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : May cause drowsiness or dizziness.

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)	
NOAEL (oral, rat)	3500 mg/kg bodyweight 90 days
NOAEC (inhalation, rat, dust/mist/fume)	10 mg/m³ 90 days

Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).] (64741-84-0)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

WIZARD SOLVENT BASED CORRECTION FLUID	
Viscosity, kinematic	> 25 mm²/s (40 °C); calculated

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

11.2.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short–term (acute) : Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long–term (chronic) : Toxic to aquatic life with long lasting effects.

Not rapidly degradable

Calcium carbonate (471-34-1)	
LC50 - Fish [1]	> 100 mg/l 96 h; (OECD 203 method)
EC50 - Crustacea [1]	> 100 mg/l 48 h; Daphnia magna (Water flea); (OECD 202 method)
EC50 72h - Algae [1]	> 14 mg/l 72 h; (OECD 201 method)

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)	
LC50 - Fish [1]	> 10000 mg/l Cyprinodon variegatus (sheepshead minnow); semi-static test; (OECD 203 method)
LC50 - Fish [2]	> 1000 mg/l Pimephales promelas; static; EPA-540/9-85-006
EC50 - Crustacea [1]	> 10000 mg/l copepod Acartia tonsa (ISO 14669 (1999); ISO 5667-16 (1998)
EC50 - Crustacea [2]	> 1000 mg/l Daphnia magna (Water flea); static; (OECD 202 method)
EC50 72h - Algae [1]	> 100 mg/l Pseudokirchneriella subcapitata; Growth rate; static; (OECD 201 method)
EC50 72h - Algae [2]	> 10000 mg/l Skeletonema costatum (marine diatom); ISO 10253
NOEC	> 100000 mg/kg bw (Hyalella azteca; semi-static test; ASTM 1706)

Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).] (64741-84-0)	
LL50, fish, Oncorhynchus mykiss (Rainbow trout)	10 mg/l (96 Hours)
LL50, fish, Pimephales promelas	8.2 mg/l (96 Hours)
EL50, Daphnia magna (Water flea)	4.5 mg/l (48 Hours)
NOELR, Daphnia magna (Water flea)	2.6 mg/l (21 days)
EL50, algae, Pseudokirchnerella subcapitata	3.1 mg/l (72 Hours)
NOELR, algae, Pseudokirchnerella subcapitata	0.5 mg/l (72 Hours)
EL50, microorganisms, Tetrahymena pyriformis	15.41 mg/l (40 Hours)

12.2. Persistence and degradability

Calcium carbonate (471-34-1)	
Persistence and degradability	The methods for determining biodegradability are not applicable to inorganic substances.

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)	
Persistence and degradability	Not relevant.

Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).] (64741-84-0)	
Persistence and degradability	Study : Not readily biodegradable. simulation test : Biodegradable.

12.3. Bioaccumulative potential

WIZARD SOLVENT BASED CORRECTION FLUID	
Partition coefficient n-octanol/water (Log Pow)	Not applicable
Partition coefficient n-octanol/water (Log Kow)	Not applicable

Calcium carbonate (471-34-1)	
Bioaccumulative potential	No information available.

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)	
Bioaccumulative potential	Does not accumulate in organisms.

Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).] (64741-84-0)	
Partition coefficient n-octanol/water (Log Kow)	3 – 6
Bioaccumulative potential	Forecast : bioaccumulative.

12.4. Mobility in soil

Calcium carbonate (471-34-1)	
Ecology - soil	No information available.

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)	
Ecology - soil	immobile.

Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).] (64741-84-0)	
Ecology - soil	No data available.

12.5. Results of PBT and vPvB assessment

Component	
Calcium carbonate (471-34-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).] (64741-84-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

12.7. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

HP Code : HP3 - "Flammable:"
– flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
– flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
– flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
– flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
– water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
– other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.
HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.
HP7 - "Carcinogenic:" waste which induces cancer or increases its incidence
HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.
HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

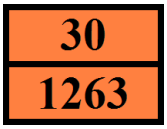
In accordance with / ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1263	UN 1263	UN 1263	UN 1263	UN 1263
14.2. UN proper shipping name				
PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	Paint related material	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL
Transport document description				
UN 1263 PAINT RELATED MATERIAL, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1263 PAINT RELATED MATERIAL, 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1263 Paint related material, 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1263 PAINT RELATED MATERIAL, 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1263 PAINT RELATED MATERIAL, 3, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
III	III	III	III	III

ADR	IMDG	IATA	ADN	RID
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	:	F1
Special provisions (ADR)	:	163, 367, 650
Limited quantities (ADR)	:	5l
Excepted quantities (ADR)	:	E1
Packing instructions (ADR)	:	P001, IBC03, LP01, R001
Special packing provisions (ADR)	:	PP1
Mixed packing provisions (ADR)	:	MP19
Portable tank and bulk container instructions (ADR)	:	T2
Portable tank and bulk container special provisions (ADR)	:	TP1, TP29
Tank code (ADR)	:	LGBF
Vehicle for tank carriage	:	FL
Transport category (ADR)	:	3
Special provisions for carriage - Packages (ADR)	:	V12
Special provisions for carriage - Operation (ADR)	:	S2
Hazard identification number (Kemler No.)	:	30
Orange plates	:	
Tunnel restriction code (ADR)	:	D/E
EAC code	:	•3Y

Transport by sea

Special provisions (IMDG)	:	163, 223, 367, 955
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	P001, LP01
Special packing provisions (IMDG)	:	PP1
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T2
Tank special provisions (IMDG)	:	TP1, TP29
EmS-No. (Fire)	:	F-E
EmS-No. (Spillage)	:	S-E
Stowage category (IMDG)	:	A
Properties and observations (IMDG)	:	Miscibility with water depends upon the composition.

Air transport

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y344
PCA limited quantity max net quantity (IATA)	:	10L
PCA packing instructions (IATA)	:	355
PCA max net quantity (IATA)	:	60L
CAO packing instructions (IATA)	:	366
CAO max net quantity (IATA)	:	220L
Special provisions (IATA)	:	A3, A72, A192
ERG code (IATA)	:	3L

Inland waterway transport

Classification code (ADN)	:	F1
Special provisions (ADN)	:	163, 367, 650
Limited quantities (ADN)	:	5 L
Excepted quantities (ADN)	:	E1
Equipment required (ADN)	:	PP, EX, A
Ventilation (ADN)	:	VE01
Number of blue cones/lights (ADN)	:	0

Rail transport

Classification code (RID)	:	F1
Special provisions (RID)	:	163, 367, 650
Limited quantities (RID)	:	5L
Excepted quantities (RID)	:	E1
Packing instructions (RID)	:	P001, IBC03, LP01, R001
Special packing provisions (RID)	:	PP1
Mixed packing provisions (RID)	:	MP19
Portable tank and bulk container instructions (RID)	:	T2
Portable tank and bulk container special provisions (RID)	:	TP1, TP29
Tank codes for RID tanks (RID)	:	LGBF
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W12
Colis express (express parcels) (RID)	:	CE4
Hazard identification number (RID)	:	30

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	**Applicable on**	**Entry title or description**
3(a)	WIZARD SOLVENT BASED CORRECTION FLUID ; Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).]	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F

EU restriction list (REACH Annex XVII)		
Reference code	**Applicable on**	**Entry title or description**
3(b)	WIZARD SOLVENT BASED CORRECTION FLUID ; Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).]	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	WIZARD SOLVENT BASED CORRECTION FLUID ; Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).]	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).]	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

For the following substances of this mixture a chemical safety assessment has been carried out:
Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approxi mately 35°C to 190°C (95°F to 374°F).]

SECTION 16: Other information

Indication of changes:
Safety data sheet in accordance with commission regulation (EU) No 2020/878.

Indication of changes

Section	Changed item	Change	Comments
	Revision date	Modified	
	Supersedes	Modified	
	UN-No. (RID)	Added	
	Number of blue cones/lights (ADN)	Added	
	Ventilation (ADN)	Added	
	Equipment required (ADN)	Added	
	Excepted quantities (ADN)	Added	
	Limited quantities (ADN)	Added	
	Danger labels (ADN)	Added	
	Classification code (ADN)	Added	
	Proper Shipping Name (RID)	Added	
	Hazard identification number (RID)	Added	

Indication of changes			
Section	**Changed item**	**Change**	**Comments**
	Colis express (express parcels) (RID)	Added	
	Special provisions for carriage – Packages (RID)	Added	
	Transport category (RID)	Added	
	Tank codes for RID tanks (RID)	Added	
	Portable tank and bulk container special provisions (RID)	Added	
	Portable tank and bulk container instructions (RID)	Added	
	Mixed packing provisions (RID)	Added	
	Special packing provisions (RID)	Added	
	Packing instructions (RID)	Added	
	Excepted quantities (RID)	Added	
	Limited quantities (RID)	Added	
	Special provisions (RID)	Added	
	Packing group (RID)	Added	
	Classification code (RID)	Added	
	ERG code (IATA)	Added	
	Special provisions (IATA)	Added	
	CAO max net quantity (IATA)	Added	
	CAO packing instructions (IATA)	Added	
	PCA max net quantity (IATA)	Added	
	PCA packing instructions (IATA)	Added	
	PCA limited quantity max net quantity (IATA)	Added	
	PCA Limited quantities (IATA)	Added	
	PCA Excepted quantities (IATA)	Added	
	Danger labels (IATA)	Added	
	Proper Shipping Name (IATA)	Added	
	Properties and observations (IMDG)	Added	
	Proper Shipping Name (IMDG)	Added	
	Danger labels (IMDG)	Added	
	EmS-No. (Spillage)	Added	
	EmS-No. (Fire)	Added	
	Limited quantities (IMDG)	Added	
	Stowage category (IMDG)	Added	
	Tank special provisions (IMDG)	Added	
	Tank instructions (IMDG)	Added	
	IBC packing instructions (IMDG)	Added	
	Excepted quantities (IMDG)	Added	

Indication of changes			
Section	**Changed item**	**Change**	**Comments**
	Special provisions (IMDG)	Added	
	Special provisions for carriage - Packages (ADR)	Added	
	Special provisions for carriage - Operation (ADR)	Modified	
	Tank code (ADR)	Modified	
	Portable tank and bulk container special provisions (ADR)	Modified	
	Portable tank and bulk container instructions (ADR)	Modified	
	Packing instructions (ADR)	Modified	
	Adverse health effects caused by endocrine disrupting properties	Added	
	CSR applicable	Added	
2.1	Adverse physicochemical, human health and environmental effects	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Extra phrases	Added	
2.2	Signal word (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
4.1	First-aid measures after skin contact	Modified	
4.1	First-aid measures after eye contact	Modified	
5.2	Fire hazard	Modified	
5.3	EAC code	Modified	
6.1	Emergency procedures	Modified	
7.1	Hygiene measures	Modified	
7.2	Packaging materials	Modified	
7.2	Storage conditions	Modified	
7.3	Specific end uses	Added	
9.1	Viscosity, kinematic	Added	
9.1	Relative vapour density at 20°C	Added	
9.1	Explosive limits (vol %)	Added	
9.1	Partition coefficient n-octanol/water (Log Kow)	Added	
9.1	Partition coefficient n-octanol/water (Log Pow)	Added	
9.1	Density	Modified	
9.1	Vapour pressure at 50°C	Added	
9.1	Relative density	Added	
9.1	Vapour pressure	Added	

Indication of changes			
Section	**Changed item**	**Change**	**Comments**
9.1	Freezing point	Added	
9.1	pH	Added	
9.1	Decomposition temperature	Added	
9.1	Auto-ignition temperature	Added	
9.1	Lower explosion limit	Added	
9.1	Upper explosion limit	Modified	
9.1	Flash point	Modified	
9.1	Boiling point	Modified	
9.1	Odour threshold	Added	
9.2	Other properties	Added	
10.1	Reactivity	Modified	
10.4	Conditions to avoid	Modified	
12.3	Partition coefficient n-octanol/water (Log Kow)	Added	
12.3	Partition coefficient n-octanol/water (Log Pow)	Added	
12.6	Adverse effects on the environment caused by endocrine disrupting properties	Added	
14.1	UN-No. (ADN)	Added	
14.1	UN-No. (IMDG)	Added	
14.1	UN-No. (IATA)	Added	
14.2	Proper Shipping Name (ADN)	Added	
14.3	Danger labels (RID)	Added	
14.4	Packing group (ADN)	Added	
14.4	Packing group (IATA)	Added	
14.4	Packing group (IMDG)	Added	
14.4	Packing group (ADR)	Modified	
14.6	Special provisions (ADN)	Added	
14.6	Special packing provisions (IMDG)	Added	
14.6	Packing instructions (IMDG)	Added	
14.6	Hazard identification number (Kemler No.)	Modified	
14.6	Transport category (ADR)	Modified	
14.6	Special provisions (ADR)	Modified	
14.6	Excepted quantities (ADR)	Modified	

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor

Abbreviations and acronyms:	
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.

Full text of H- and EUH-statements:	
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Annex to the safety data sheet

Identified Uses	Es N°	Short title	Page
Formulation & (re)packing of substances and mixtures	1		**24**

1. 9.4.1a. - Formulation; Formulation & (re)packing of substances and mixtures

1.1. Title section

Formulation & (re)packing of substances and mixtures	
ES Ref.: 9.4.1a. ES Type: Worker	

Environment		Use descriptors
	Contributing scenario controlling environmental exposure	ESVOC SPERC 2.2.v1

Worker		Use descriptors
	Contributing scenario controlling worker exposure	PROC14, PROC15

Processes, tasks, activities covered	Formulation of the substance and its mixtures in batch or continuous operations within closed or contained systems, including incidental exposures during storage, materials transfers, mixing, maintenance, sampling and associated laboratory activities
Assessment method	See Section 3

1.2. Conditions of use affecting exposure

1.2.1. Control of environmental exposure: Contributing scenario controlling environmental exposure (ESVOC SPERC 2.2.v1)

ESVOC SPERC 2.2.v1	Formulation & packing of preparations and mixtures: Industrial (SU10)

Product (article) characteristics	
Physical form of product	Substance is complex UVCB, Predominantly hydrophobic

Amount used, frequency and duration of use (or from service life)	
Fraction of EU tonnage used in region:	0,1
Regional use tonnage:	16500000 t/yr
Fraction of Regional tonnage used locally:	0,0018
Annual site tonnage:	30000 t/yr
Maximum daily site tonnage	100000 kg/day
Continuous release	
Emission Days (days/year)	300

Technical and organisational conditions and measures	
Common practices vary across sites thus conservative process release estimates used	
Prevent discharge of undissolved substance to or recover from onsite wastewater. Risk from environmental exposure is driven by humans via indirect exposure (primarily inhalation). If discharging to municipal sewage treatment plant, no onsite wastewater treatment required.	
Treat air emission to provide a typical removal efficiency of	56,5 %

Technical and organisational conditions and measures	
Treat onsite wastewater (prior to receiving water discharge) to provide the required removal efficiency of	≥ 94,7 %
If discharging to municipal sewage treatment plant, provide the required onsite wastewater removal efficiency of	≥ 0 %
Do not apply industrial sludge to natural soils. Sewage sludge should be incinerated, contained or reclaimed.	

Conditions and measures related to sewage treatment plant	
Estimated substance removal from wastewater via municipal sewage treatment	95,5 %
Total efficiency of removal from wastewater after onsite and offsite municipal treatment plant) RMMs	95,5 %
Maximum allowable site tonnage (MSafe)	100000 kg/d
Assumed domestic sewage treatment plant flow	2000 m³/d

Conditions and measures related to treatment of waste (including article waste)	
External treatment and disposal of waste should comply with applicable local and/or national regulations	
External recovery and recycling of waste should comply with applicable local and/or national regulations	

Other conditions affecting environmental exposure		
Local freshwater dilution factor:	10	
Local marine water dilution factor:	100	
Release fraction to soil from process (initial release prior to RMM):	0,025	
Release fraction to wastewater from process (initial release prior to RMM):	0,002	
Release fraction to soil from process (initial release prior to RMM):	0,0001	

1.2.2. Control of worker exposure: Contributing scenario controlling worker exposure (PROC14, PROC15)

PROC14	Tabletting, compression, extrusion, pelettisation, granulation
PROC15	Use as laboratory reagent

Product (article) characteristics	
Physical form of product	Liquid
Concentration of substance in product	Covers percentage substance in the product up to 100 % (unless stated differently)
Vapour pressure	Liquid, vapour pressure > 10 kPa at Standard Temperature and Pressure

Amount used (or contained in articles), frequency and duration of use/exposure	
Covers daily exposures up to 8 hours	

Technical and organisational conditions and measures		
General measures (skin irritants)	Avoid direct skin contact with product. Identify potential areas for indirect skin contact. Wear gloves (tested to EN374) if hand contact with substance likely. Clean up contamination/spills as soon as they occur. Wash off any skin contamination immediately. Provide basic employee training to prevent / minimise exposures and to report any skin problems that may develop	
General exposures (closed systems)	No other specific measures identified	
General exposures (closed systems),with sample collection	No other specific measures identified	
General exposures (open systems)	Provide extract ventilation to points where emissions occur	
Process sampling	No other specific measures identified	
Mixing operations,Closed systems	Provide extract ventilation to points where emissions occur	
Laboratory activities	Handle in a fume cupboard or under extract ventilation	
Bulk transfers	Ensure material transfers are under containment or extract ventilation	
Manual,Transfer from/pouring from containers	Ensure material transfers are under containment or extract ventilation	
Drum/batch transfers	Ensure material transfers are under containment or extract ventilation	
Drum and small package filling	Fill containers/cans at dedicated fill points supplied with local extract ventilation	
Equipment cleaning and maintenance	No other specific measures identified	
Storage	No other specific measures identified	

Other conditions affecting workers exposure	
Assumes use at not more than 20°C above ambient temperature,Assumes a good basic standard of occupational hygiene is implemented	

1.3. Exposure estimation and reference to its source

1.3.1. Environmental release and exposure Contributing scenario controlling environmental exposure (ESVOC SPERC 2.2.v1)

Information for contributing exposure scenario
Hydrocarbon Block Method (Petrorisk)

1.3.2. Worker exposure Contributing scenario controlling worker exposure (PROC14, PROC15)

Information for contributing exposure scenario
The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated

1.4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

1.4.1. Environment

Guidance - Environment	Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SpERC factsheet (http://cefic.org/en/reach-for-industries-libraries.html)

1.4.2. Health

Guidance - Health	Predicted exposures are not expected to exceed the DN(M)EL when the Risk Management Measures/Operational Conditions outlined in Section 2 are implemented. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Available hazard data do not enable the derivation of a DNEL for dermal irritant effects. Available hazard data do not support the need for a DNEL to be established for other health effects. Risk Management Measures are based on qualitative risk characterisation