



## Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 06.02.2025

Version: 24 (replaces version 23)

Revision: 06.02.2025

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

- **1.1 Product identifier**
  - **Trade name:** VERDUNNING JFG 253
  - **Article number:** VERDJFG253
  - **UFI:** 6W5G-31TY-A003-0G4G
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
  - **Sector of Use**
    - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
    - SU19 Building and construction work
    - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
  - **Product category** PC9a Coatings and paints, thinners, paint removers
  - **Process category**
    - PROC7 Industrial spraying
    - PROC10 Roller application or brushing
    - PROC19 Manual activities involving hand contact
    - PROC13 Treatment of articles by dipping and pouring
  - **Application of the substance / the mixture** thinner for diluting coatings and cleaning of equipment
- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**
    - Zandleven Coatings B.V.
    - Snekertrekweg 57-59, 8912 AA Leeuwarden, Netherlands
    - Tel: +31 58 2129545 Fax: +31 58 2155996
    - E-mail: [info@zandleven.com](mailto:info@zandleven.com) Internet: [www.zandleven.com](http://www.zandleven.com)
  - **Further information obtainable from:** R&D department: [sds@zandleven.com](mailto:sds@zandleven.com)
- **1.4 Emergency telephone number:**
  - Nationaal Vergiftigingen Informatie
  - +31 (0)88 755 8000
  - ORFILA (INRS) : + 33 (0)1 45 42 59 59
  - Centres Antipoison et de Toxicovigilance
  - ANGERS: 02 41 48 21 21
  - BORDEAUX: 05 56 96 40 80
  - LILLE: 0800 59 59 59
  - LYON: 04 72 11 69 11
  - MARSEILLE: 04 91 75 25 25
  - NANCY: 03 83 22 50 50
  - PARIS: 01 40 05 48 48
  - STRASBOURG: 03 88 37 37 37
  - TOULOUSE: 05 61 77 74 47
  - Giftnotruf der Charité, Berlin: 030/19240
  - Giftinformationszentrum-Nord der Länder Bremen, Hamburg, Niedersachsen und Schleswig-Holstein (GIZ-Nord) :0551/19 240
  - Informationszentrale gegen Vergiftungen Zentrum für Kinderheilkunde Universitätsklinikum Bonn: 0228/19240
  - Giftnotruf Erfurt Gemeinsames Giftinformationszentrum der Länder Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thüringen: 0361/730 730
  - Informations- und Beratungszentrum für Vergiftungsfälle Klinik für Kinder- und Jugendmedizin Universitätsklinikum des Saarlandes: 06841/19240
  - Giftinformationszentrum der Länder Rheinland-Pfalz und Hessen - Klinische Toxikologie - Universitätsmedizin der Johannes Gutenberg-Universität Mainz: 06131/19240
  - Vergiftungs-Informations-Zentrale Zentrum für Kinder- und Jugendmedizin Universitätsklinikum: 0761/19240
  - Giftnotruf München Toxikologische Abteilung der II. Med. Klinik und Poliklinik: 089/19240
  - Supplier
  - +31 (0)58 2677590 (during office hours)

### SECTION 2: Hazards identification

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

Flam. Liq. 3	H226	Flammable liquid and vapour.
STOT SE 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.

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**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**

GHS02   GHS07   GHS08   GHS09

**Signal word** Danger**Hazard-determining components of labelling:**

C9-aromatics

n-butyl acetate

2-methoxy-1-methylethyl acetate

**Hazard statements**

H226   Flammable liquid and vapour.

H335-H336   May cause respiratory irritation. May cause drowsiness or dizziness.

H304   May be fatal if swallowed and enters airways.

H411   Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P301+P310   IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331   Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P312   Call a POISON CENTER/doctor if you feel unwell.

P405   Store locked up.

P501   Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

**3.2 Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

Percentages of the components are expressed as a percentage by weight

CAS: 128601-23-0 EC number: 918-668-5 Reg.nr.: 01-2119455851-35	C9-aromatics ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H312; STOT SE 3, H335-H336, EUH066	25-50%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-butyl acetate ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336, EUH066	25-50%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	10-25%

**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:** Immediately remove any clothing soiled by the product.

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- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **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**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, 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** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **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 section 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**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store material in original, well-closed packages in a cool, well-ventilated area according to local regulations.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Recommended storage temperature:** 5 - 30 °C
- **7.3 Specific end use(s)** No further relevant information available.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Ingredients with limit values that require monitoring at the workplace:

##### 123-86-4 n-butyl acetate

IOELV	Short-term value: 723 mg/m <sup>3</sup> , 150 ppm
	Long-term value: 241 mg/m <sup>3</sup> , 50 ppm

##### 108-65-6 2-methoxy-1-methylethyl acetate

IOELV	Short-term value: 550 mg/m <sup>3</sup> , 100 ppm
	Long-term value: 275 mg/m <sup>3</sup> , 50 ppm
	Skin

##### DNEL (Derived No Effect Level) for workers:

##### 128601-23-0 C9-aromatics

Dermal	Long-term - systemic effects, worker	12.5 mg/kg bw/day (human)
Inhalative	Long-term - systemic effects, worker	151 mg/m <sup>3</sup> (human)

##### 123-86-4 n-butyl acetate

Dermal	Acute - systemic effects, worker	11 mg/kg bw/day (human)
	Long-term - systemic effects, worker	11 mg/kg bw/day (human)
Inhalative	Acute - systemic effects, worker	600 mg/m <sup>3</sup> (human)
	Acute - local effects, worker	600 mg/m <sup>3</sup> (human)
	Long-term - systemic effects, worker	300 mg/m <sup>3</sup> (worker)
	Long-term - local effects, worker	300 mg/m <sup>3</sup> (human)

##### 108-65-6 2-methoxy-1-methylethyl acetate

Dermal	Long-term - systemic effects, worker	153.5 mg/kg bw/day (worker)
Inhalative	Long-term - systemic effects, worker	275 mg/m <sup>3</sup> (worker)

##### DNEL (Derived No Effect Level) for the general population:

##### 128601-23-0 C9-aromatics

Oral	Long-term - systemic effects, general population	7.5 mg/kg bw/day (human)
Dermal	Long-term - systemic effects, general population	7.5 mg/kg bw/day (human)
Inhalative	Long-term - systemic effects, general population	32 mg/m <sup>3</sup> (human)

##### 123-86-4 n-butyl acetate

Oral	Acute - systemic effects, general population	2 mg/kg bw/day (human)
	Long-term - systemic effects, general population	2 mg/kg bw/day (human)
Dermal	Acute - systemic effects, general population	6 mg/kg bw/day (human)
	Long-term - systemic effects, general population	6 mg/kg bw/day (human)
Inhalative	Acute - systemic effects, general population	300 mg/m <sup>3</sup> (general population)
	Acute - local effects, general population	300 mg/m <sup>3</sup> (human)
	Long-term - systemic effects, general population	35.7 mg/m <sup>3</sup> (general population)
	Long-term - local effects, general population	35.7 mg/m <sup>3</sup> (human)

##### 108-65-6 2-methoxy-1-methylethyl acetate

Oral	Long-term - systemic effects, general population	1.67 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, general population	54.8 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, general population	33 mg/m <sup>3</sup> (general population)

##### PNEC (Predicted No Effect Concentration) values:

##### 123-86-4 n-butyl acetate

Aquatic compartment - freshwater	0.18 mg/L (freshwater)
Aquatic compartment - marine water	0.018 mg/L (marine water)
Aquatic compartment - water, intermittent releases	0.36 mg/L (not specified)
Aquatic compartment - sediment in freshwater	0.981 mg/kg sed dw (not specified)
Aquatic compartment - sediment in marine water	0.0981 mg/kg sed dw (not specified)
Terrestrial compartment - soil	0.0903 mg/kg dw (not specified)

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Sewage treatment plant	35.6 mg/L (not specified)
<b>108-65-6 2-methoxy-1-methylethyl acetate</b>	
Aquatic compartment - freshwater	0.635 mg/L (not specified)
Aquatic compartment - marine water	0.0635 mg/L (not specified)
Aquatic compartment - water, intermittent releases	6.35 mg/L (not specified)
Aquatic compartment - sediment in freshwater	3.29 mg/kg sed dw (not specified)
Aquatic compartment - sediment in marine water	0.329 mg/kg sed dw (not specified)
Terrestrial compartment - soil	0.29 mg/kg dw (not specified)
Sewage treatment plant	100 mg/L (not specified)

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

#### · 8.2 Exposure controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Provide readily accessible eye wash stations and safety showers.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter type A

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If

workers are exposed to concentrations above the exposure limit, they must use appropriate, certified

respirators. Use a properly fitted, air-purifying or air-fed

respirator complying with an approved standard if a risk assessment indicates this is necessary.

· **Hand protection**



Protective gloves

Chemical resistant gloves (EN 374)

Check protective gloves prior to each use for their proper condition.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

· **Penetration time of glove material**

KCL Vitoject 890

breakthrough time > 480 min.

thickness: 0,7 mm

at limited contact

KCL Camatril 730

breakthrough time 120 min.

thickness: 0,4 mm

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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- Not suitable are gloves made of the following materials: All other materials
- Eye/face protection



Tightly sealed goggles

Safety glasses according to EN 166 or equivalent

- **Body protection:**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved before the product is used by a specialist.

If there is a risk of ignition by static electricity, anti-static protective clothing should be worn. For the best protection against static discharge, clothing should consist of anti-static overalls, boots and gloves.

For further information on materials and design requirements and test methods consult the European standard EN 1149.

- **Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Physical state**

Liquid

- **Colour:**

According to product specification

- **Odour:**

Characteristic

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

Undetermined.

- **Boiling point or initial boiling point and boiling range**

124-128 °C (123-86-4 n-butyl acetate)

- **Flammability**

Flammable.

- **Lower and upper explosion limit**

- **Lower:**

1.2 Vol % (123-86-4 n-butyl acetate)

- **Upper:**

10.8 Vol % (108-65-6 2-methoxy-1-methylethyl acetate)

- **Flash point:**

27 °C

- **Auto-ignition temperature:**

315 °C (108-65-6 2-methoxy-1-methylethyl acetate)

- **Decomposition temperature:**

Not determined.

- **pH**

Not determined.

- **Viscosity:**

- **Kinematic viscosity**

Not determined.

- **Dynamic:**

Not determined.

- **Solubility**

- **water:**

Not miscible or difficult to mix.

- **Partition coefficient n-octanol/water (log value)**

Not determined.

- **Vapour pressure at 20 °C:**

10.7 hPa (123-86-4 n-butyl acetate)

- **Vapour pressure at 50 °C:**

55 hPa

- **Density and/or relative density**

- **Density at 20 °C:**

0.9 g/cm<sup>3</sup>

- **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.**

- **Ignition temperature:**

Product is not selfigniting.

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- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>· <b>Explosive properties:</b></li> <li>· <b>Change in condition</b></li> <li>· <b>Evaporation rate</b></li> </ul> | <p>Product is not explosive. However, formation of explosive air/vapour mixtures are possible.</p> <p>Not determined.</p> |
|---|---|
- 
- |  |                              |
|--|------------------------------|
| · <b>Information with regard to physical hazard classes</b>                        |                              |
| · <b>Explosives</b>  | Void                         |
| · <b>Flammable gases</b>   | Void                         |
| · <b>Aerosols</b>  | Void                         |
| · <b>Oxidising gases</b>   | Void                         |
| · <b>Gases under pressure</b>  | Void                         |
| · <b>Flammable liquids</b>   | Flammable liquid and vapour. |
| · <b>Flammable solids</b>  | Void                         |
| · <b>Self-reactive substances and mixtures</b>                                     | Void                         |
| · <b>Pyrophoric liquids</b>  | Void                         |
| · <b>Pyrophoric solids</b>   | Void                         |
| · <b>Self-heating substances and mixtures</b>                                      | Void                         |
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Void                         |
| · <b>Oxidising liquids</b>   | Void                         |
| · <b>Oxidising solids</b>  | Void                         |
| · <b>Organic peroxides</b>   | Void                         |
| · <b>Corrosive to metals</b>   | Void                         |
| · <b>Desensitised explosives</b>   | Void                         |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** 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.
- **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:**

##### **128601-23-0 C9-aromatics**

Oral	LD50	5,558-7,093 mg/kg (rat)
Dermal	LD50	2,000-3,160 mg/kg (rabbit)

##### **123-86-4 n-butyl acetate**

Oral	LD50	10,760 mg/kg (rat)
Dermal	LD50	>17,600 mg/kg (rabbit)
Inhalative	LC50/4 h	23.4 mg/l (rat)

##### **108-65-6 2-methoxy-1-methylethyl acetate**

Oral	LD50	8,532 mg/kg (rat)
Inhalative	LC50/4 h	35.7 mg/l (rat)

- **Primary irritant effect:**
- **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** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.

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- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** May be fatal if swallowed and enters airways.
- **11.2 Information on other hazards**

**· Endocrine disrupting properties**

None of the ingredients is listed.

## SECTION 12: Ecological information

**· 12.1 Toxicity****· Aquatic toxicity:****123-86-4 n-butyl acetate**

EC50/72 h	647.7 mg/l (algae)
EC50/48 h	44 mg/l (Daphnia magna)
EC50/24 h	335 mg/l (aquatic algae and cyanobacteria)
LC50/96 h	18 mg/l (pimephales promelas)
NOEC 21 days	23.2 mg/l (aquatic invertebrates)

**108-65-6 2-methoxy-1-methylethyl acetate**

EC50/48 h	408-500 mg/l (Daphnia magna)
LC50/96 h	100-180 mg/l (Oncorhynchus mykiss)

- **12.2 Persistence and degradability** No further relevant information available.
- **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.

**· 12.7 Other adverse effects**· **Remark:** Toxic for fish**· Additional ecological information:****· General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms

## SECTION 13: Disposal considerations

**· 13.1 Waste treatment methods****· Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**· European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
HP3	Flammable
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP6	Acute Toxicity
HP14	Ecotoxic

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

Transport in accordance with ADR/RID, IMDG and ICAO/IATA.

· 14.1 UN number or ID number	UN1263
· ADR/RID/ADN, IMDG, IATA	
· 14.2 UN proper shipping name	1263 PAINT, ENVIRONMENTALLY HAZARDOUS
· ADR/RID/ADN	PAINT, MARINE POLLUTANT
· IMDG	PAINT
· IATA	
· 14.3 Transport hazard class(es)	
· ADR/RID/ADN, IMDG	
	
	
· Class	3 Flammable liquids.
· Label	3
· IATA	
	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group	III
· ADR/RID/ADN, IMDG, IATA	
· 14.5 Environmental hazards:	Product contains environmentally hazardous substances: Hydrocarbons, C9, aromatics
· Marine pollutant:	Yes
· Special marking (ADR/RID/ADN):	Symbol (fish and tree)
	Symbol (fish and tree)
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Hazard identification number (Kemler code):	30
· EMS Number:	F-E, S-E
· Stowage Category	A
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR/RID/ADN	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	D/E

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## Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 06.02.2025

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- |                                   |   |
|-----------------------------------|---|
| · <b>IMDG</b>                     | 5L  |
| · <b>Limited quantities (LQ)</b>  | Code: E1  |
| · <b>Excepted quantities (EQ)</b> | Maximum net quantity per inner packaging: 30 ml   |
|                                   | Maximum net quantity per outer packaging: 1000 ml |
| · <b>UN "Model Regulation":</b>   | UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS  |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**  
E2 Hazardous to the Aquatic Environment  
P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

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

None of the ingredients is listed.

- **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.

- **15.2 Chemical safety assessment:** 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.

- **Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- **Contact:** J. Dijkstra
- **Date of previous version:** 19.04.2023
- **Version number of previous version:** 23

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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)

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DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 3: Flammable liquids – Category 3  
Acute Tox. 4: Acute toxicity – Category 4  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
Asp. Tox. 1: Aspiration hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

**Sources**

- ECHA European Chemical Agency - <http://echa.europa.eu/information-on-chemicals>
- SDS of raw materials supplied by producer/supplier.

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

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