

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006 and Regulation (EC) No. 1272/2008**

Revision date: 31/08/2023

<b>PACKING ZWART</b>
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**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifier**

**Product name:** PACKING ZWART

**Code number:** D200001

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

**Recommended use:** Sealant. Building and construction work.

**Uses advised against:** None known.

**1.3 Details of the supplier of the safety data sheet**

**Company:** MULTITASK INDUSTRIES  
KARNEMELKSTRAAT 12  
9060 ZELZATE / BELGIUM  
TEL : +32 (0)9 282 43 61  
FAX : +32 (0)9 337 04 96  
HOMEPAGE: [www.multitaskindustries.be](http://www.multitaskindustries.be)  
EMAIL: [info@multitaskindustries.be](mailto:info@multitaskindustries.be)

**Information department:**

**Technical information:** [info@multitaskindustries.be](mailto:info@multitaskindustries.be)

**1.4 Emergency telephone number:** Poison control centre (Brussels): +32 (0)70 245 245.

**2. HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

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

Chronic aquatic toxicity, Category 3      H412

Aerosols, Category 3      H229

**2.2 Label elements**

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

**Hazard pictograms:** /

**Signal word:** Warning.

**Hazard statements:**

H229      Pressurized container: May burst if heated.

H412      Harmful to aquatic life with long lasting effects.

**Precautionary statements:**

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

P251      Do not pierce or burn, even after use.

## Safety Data Sheet

### According to Regulation (EC) No 1907/2006 and Regulation (EC) No. 1272/2008

Revision date: 31/08/2023

### PACKING ZWART

P273 Avoid release to the environment.  
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
P501 Dispose of contents/container to an approved waste disposal plant.

#### 2.3 Other hazards

Small amounts of acetic acid (CAS 64-19-7) are formed by hydrolysis and released upon curing.

**PBT & vPvB:** This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substances considered to be very persistent nor very bioaccumulating (vPvB).

**Information regarding endocrine disruption:** This product contains no known or suspected endocrine disruptors.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Not applicable.

#### 3.2 Mixtures

Chemical name	Product identification	Weight (%)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	SCL	M-Factor	M-Factor (long term)
Triacetoxysilane (propyl)silane	EC No: 241-816-9 CAS No: 17865-07-5 REACH-Nr.: 01-2119966899-07-XXXX	1 - <5	Skin Corr. 1B (H314) (EUH071)	-	-	-
Silanetriol, methyl-, triacetate	EC No: 224-221-0 CAS No: 4253-34-3 REACH No: 01-2119966899-07-XXXX	1 - <2.5	Skin Corr. 1C (H314) Acute Tox. 4 (H302) (EUH014)	-	-	-
Octamethylcyclotetrasiloxane [D4]	EC No: (014-018-001) 209-136-7 CAS-No: 556-67-2 REACH No: 01-2119529238 36-XXXX	0.01 - <0.1	Repr. 2 (H361f) Aquatic Chronic 1 (H410) Flam. Liq. 3 (H226) PBT vPBT	-	10	10
Air pollutants formed when the substance or mixture is used as intended.						
Acetic acid	EC No: (607-002-006) 200-580-7 CAS No: 64-19-7 REACH No: 01-211947532 8-30-XXXX	1 - <2.5	Skin Corr. 1A (H314) Flam. Liq. 3 (H226)	Eye Irrit. 2: 10% ≤ C < 25% Skin Corr. 1A: C ≥ 90% Skin Corr. 1B: 25% ≤ C < 90% Skin Irrit. 2: 10% ≤ C < 25%	-	-

Full text of H- and EUH-phrases: see section 16.

## Safety Data Sheet

According to Regulation (EC) No 1907/2006 and Regulation (EC) No. 1272/2008

Revision date: 31/08/2023

### PACKING ZWART

**Acute Toxicity Estimation:** If LD50/LC50 data are not available or do not match the classification category, the appropriate conversion value from CLP Annex I, Table 3.1.2 is used to calculate the Acute Toxicity Estimate (ATEmix) for classification of a mixture based on its components.

Chemical name	CE number	CAS No	Oral LD50 mg/kg
Triacetoxyp(ropyl)silane	241-816-9	17865-07-5	-
Silanetriol, methyl-, triacetate	224-221-9	4253-34-3	1600
Octamethylcyclotetrasiloxane [D4]	(014-018-00-1) 209-136-7	556-67-2	-

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59).

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**General advice:** Show this safety data sheet to the doctor in attendance. If medical advice is needed, have product container or label at hand.

**First aid after inhalation:** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

**First aid after eye contact:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Consult an ophthalmologist.

**First aid after skin contact:** In the case of skin irritation or allergic reactions see a doctor. Wash skin with soap and water.

**First aid after ingestion:** Do NOT induce vomiting. If swallowed, call a physician or poison control centre immediately.

**Self-protection of the first aider:** Wear personal protective clothing (see section 8).

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

**Symptoms:** None known.

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

**Note to doctors:** Treat symptomatically.

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing media:** Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol-resistant foam.

**Unsuitable extinguishing media:** Full water jet.

### 5.2 Special hazards arising from the substance or mixture

**Specific hazards arising from the chemical:** Thermal decomposition can lead to release of irritating gases and vapours. Containers may explode when heated.

**Hazardous combustion products:** Carbon Oxides. Carbon dioxide (CO<sub>2</sub>). Silicon dioxide. Thermal decomposition can lead to release of irritating and toxic gases and vapours.

## Safety Data Sheet

According to Regulation (EC) No 1907/2006 and Regulation (EC) No. 1272/2008

Revision date: 31/08/2023

### PACKING ZWART

#### 5.3. Advice for firefighters

**Special protective equipment and precautions for fire-fighters:** Wear self-contained breathing apparatus for firefighting if necessary.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. Ensure adequate ventilation.

**For emergency responders:** Use personal protection recommended in Section 8.

#### 6.2 Environmental precautions

Prevent product from entering drains. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

#### 6.3 Methods and material for containment and cleaning up

**Methods for containment:** Keep out of drains, sewers, ditches and waterways. Do not scatter spilled material with high pressure water streams.

**Methods for cleaning up:** Pick up and transfer to properly labelled containers.

**Prevention of secondary hazards:** Clean contaminated objects and areas thoroughly observing environmental regulations.

#### 6.4 Reference to other sections

See section 8 for more information. See section 13 for more information.

### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

**Advice on safe handling:** Avoid breathing dust/fume/gas/mist/vapours/spray. Use personal protective equipment. Ensure adequate ventilation. Do not puncture or incinerate cans. Contents under pressure.

**General hygiene considerations:** Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Take off all contaminated clothing and wash it before reuse.

#### 7.2 Conditions for safe storage, including any incompatibilities

**Storage conditions:** Protect from moisture. Keep away from food, drink and animal feeding stuffs. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep/store only in original container. Store in a dry place. Store in a closed container. Store in accordance with the particular national regulations.

**Recommended storage temperature:** Keep at temperatures between 10 and 35°C.

#### 7.3 Specific end use(s)

**Specific use(s):** Sealant. Building and construction work.

**Risk Management Methods (RMM):** The information required is contained in this SDS.

**Other information:** Observe technical data sheet.

## Safety Data Sheet

According to Regulation (EC) No 1907/2006 and Regulation (EC) No. 1272/2008

Revision date: 31/08/2023

### PACKING ZWART

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

**Exposure limits:** Small amounts of acetic acid (CAS 64-19-7) are formed by hydrolysis and released upon curing.

Chemical name	European Union
Acetic acid 64-19-7	TWA: 25 mg/m <sup>3</sup> TWA: 10 ppm STEL: 50 mg/m <sup>3</sup> STEL: 20 ppm

**Derived No Effect Level (DNEL):** No information available.

**Predicted No Effect Concentration (PNEC):** No information available.

### 8.2 Exposure controls

**Engineering controls:** Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment

**Eye/face protection:** Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166.

**Hand protection:** Wear suitable gloves. Recommended use: Neoprene™. Nitrile rubber. Butyl rubber. Glove thickness > 0.7mm. The breakthrough time for the mentioned glove material is in general greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374.

**Skin and body protection:** None under normal use conditions.

**Respiratory protection:** In case of inadequate ventilation wear respiratory protection. Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Ensure adequate ventilation, especially in confined areas. Recommended filter type: Organic gases and vapours filter conforming to EN 14387. White. Brown.

**Environmental exposure controls:** Do not allow uncontrolled discharge of product into the environment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Physical state:</b>	Aerosol.
<b>Appearance:</b>	Paste.
<b>Colour:</b>	Black.
<b>Odor:</b>	Acetic acid.
<b>Odor threshold:</b>	No information available.
<b>Melting point/freezing point</b>	No data available.
<b>Initial boiling point and boiling range:</b>	No data available.
<b>Flammability:</b>	Not applicable for liquids.
<b>Upper flammability or explosive limits:</b>	No data available.
<b>Lower flammability or explosive limits:</b>	No data available.
<b>Flashpoint:</b>	No data available.
<b>Autoignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>pH:</b>	No data available. Not applicable. Insoluble in water.

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006 and Regulation (EC) No. 1272/2008**

Revision date: 31/08/2023

<b>PACKING ZWART</b>
----------------------

<b>pH (as aqueous solution):</b>	No data available.
<b>Kinematic viscosity:</b>	>21 mm <sup>2</sup> /s
<b>Dynamic viscosity:</b>	No data available.
<b>Water solubility:</b>	No data available. Product cures with moisture.
<b>Solubility(ies):</b>	No data available.
<b>Partition coefficient:</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative density</b>	No data available.
<b>Bulk density:</b>	No data available.
<b>Liquid density:</b>	1.03 g/cm <sup>3</sup>
<b>Relative vapor density:</b>	No data available.
<b>Particle size:</b>	No data available.
<b>Particle size distribution:</b>	No data available.

#### 9.2 Other information

**Solid content (%)**: No information available.

**VOC Content (%)**: No data available.

**Information with regards to physical hazard classes**: Not applicable.

**Other safety characteristics**: No information available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Product cures with moisture.

### 10.2 Chemical stability

**Stability**: Stable under normal conditions.

**Explosion data:**

**Sensitivity to mechanical impact**: None.

**Sensitivity to static discharge**: None.

### 10.3 Possibility of hazardous reactions

Heating causes rise in pressure with risk of bursting.

### 10.4 Conditions to avoid

Protect from moisture. Exposure to air or moisture over prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and sources of ignition. Extremes of temperature and direct sunlight.

### 10.5 Incompatible materials

Strong oxidizing agents. Incompatible with oxidizing agents.

### 10.6 Hazardous decomposition products

None under normal use conditions. Stable under recommended storage conditions.



## Safety Data Sheet

According to Regulation (EC) No 1907/2006 and Regulation (EC) No. 1272/2008

Revision date: 31/08/2023

### PACKING ZWART

## 11. TOXICOLOGICAL INFORMATION

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

#### Information on likely routes of exposure

##### **Product information:**

**Inhalation:** Intentional misuse by deliberately concentration and inhaling contents may be harmful or fatal.

**Eye contact:** Based on available data, the classification criteria are not met.

**Skin contact:** Based on available data, the classification criteria are not met.

**Ingestion:** Based on available data, the classification criteria are not met.

#### Symptoms related to the physical chemical and toxicological characteristics

**Symptoms:** No information available.

#### Acute toxicity

##### **Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document.

**ATEmix (oral):** 42,899.20 mg/kg

##### **Component information:**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Silanetriol, methyl-, triacetate	LD50 = 1600 mg/kg (Rattus) OECD 401	-	-
Octamethylcyclotetrasiloxane [D4]	LD50 > 4800 mg/kg (Rattus) OECD 401	LD50 > 2400 mg/kg (Rattus) OECD 402	=36 g/m <sup>3</sup> (Rattus) 4 h

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation:** The assessment of the result of testing was done in accordance with the guideline of the Commission 92/69/EEC.

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Dermal		6	Product score ≤1 Non-irritant.
	Rabbit	Dermal		6	Product score ≤1 Non-irritant.
	Rabbit	Dermal		6 days	Product score ≤1 Non-irritant.

**Serious eye damage/eye irritation:** By analogy to another tested similar product: No irritation after contact to the eyes. (H319 is void). The assessment of the result of testing was done in accordance with the guideline of the Commission 92/69/EEC.

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Eye		6 days	Product score ≤1 Non-irritant.

**Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

## Safety Data Sheet

According to Regulation (EC) No 1907/2006 and Regulation (EC) No. 1272/2008

Revision date: 31/08/2023

### PACKING ZWART

**Carcinogenicity:** Based on available data, the classification criteria are not met.

**Reproductive toxicity:** Based on available data, the classification criteria are not met.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	European Union
Octamethylcyclotetrasiloxane [D4]	Repr. 2

**STOT - single exposure:** Based on available data, the classification criteria are not met.

**STOT - repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

#### 11.2 Information on other hazards

**Endocrine disrupting properties:** No information available.

**Other information**

**Other adverse effects:** No information available.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

**Ecotoxicity:** Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-factor	M-factor (long term)
Triacetoxyp(ropyl)silane 17865-07-5	EC50 (72h): approx. 24 mg/l (Pseudokirchneriella subpicata)	LC50 (96h) = 108.89 mg/L	-	EC50 (48h) = 89.59 mg/L		
Silanetriol, methyl-, triacetate 4253-34-3	EC50 (72h): >500 mg/l (Pseudokirchneriella subpicata)	LC50 (96h) >500 mg/l (Brachydanio rerio)	-	EC50 (48h) >500 mg/l (Daphnia magna)		
Octamethylcyclotetrasil oxane [D4] 556-67-2	-	LC50: >1000 mg/L (96h, Lepomis macrochirus) LC50: >500 mg/L (96h, Brachydanio rerio)	-	EC50: =25.2 mg/L (24h, Daphnia magna)	10	10

### 12.2 Persistence and degradability

No information available.



## Safety Data Sheet

According to Regulation (EC) No 1907/2006 and Regulation (EC) No. 1272/2008

Revision date: 31/08/2023

### PACKING ZWART

#### 12.3 Bioaccumulative potential

##### Component information:

Chemical name	Partition coefficient
Triacetoxypolypropylsilane	1.23
Silanetriol, methyl-, triacetate	-2.4
Octamethylcyclotetrasiloxane [D4]	6.49

#### 12.4 Mobility in soil

No information available.

#### 12.5 Results of PBT and vPvB assessment

**PBT and vPvB assessment:** The product contains substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Triacetoxypolypropylsilane	The substance is not PBT / vPvB
Silanetriol, methyl-, triacetate	The substance is not PBT / vPvB
Octamethylcyclotetrasiloxane [D4]	PBT / vPvB substance

#### 12.6 Endocrine disrupting properties

No information available.

#### 12.7 Other adverse effects

No information available.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

**Waste from residues/unused products:** Dispose of in accordance with local regulations. Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

**Contaminated packaging:** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Handle contaminated packages in the same way as the product itself.

##### European Waste Catalogue:

08 04 09\* waste adhesives and sealants containing organic solvents or other dangerous substances

15 01 04 metallic packaging

16 05 04\* gases in pressure containers (including halons) containing dangerous substances

**Other information:** Waste codes should be assigned by the user based on the application for which the product was used.

### 14. TRANSPORT INFORMATION

#### 14.1 UN number or ID number

ADR/RID: UN1950

IMDG: UN1950

ICAO-TI/IATA-DGR: UN1950

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006 and Regulation (EC) No. 1272/2008**

Revision date: 31/08/2023

<b>PACKING ZWART</b>
----------------------

**14.2 Proper shipping name**

**ADR/RID:** Aerosols.

**IMDG:** Aerosols.

**ICAO-TI/IATA-DGR:** Aerosols, non-flammable

**14.3 Transport hazard class(es)**

**ADR/RID:** 2

Labels: 2.2

**IMDG:** 2.2

**ICAO-TI/IATA-DGR:** 2.2

**14.4 Packing group**

**ADR/RID:** Not regulated.

Description: UN1950, Aerosols, 2, (E)

**IMDG:** Not regulated.

Description: UN1950, Aerosols, 2.2

**ICAO-TI/IATA-DGR:** Not regulated.

Description: UN1950, Aerosol, non-flammable, 2.2

**14.5 Environmental hazards or marine pollutant**

**ADR/RID:** Not applicable.

**MDG:** NP

**ICAO-TI/IATA-DGR:** Not applicable.

**14.6 Special provisions**

**ADR/RID:**

Special provisions: 327, 625, 344, 190

Classification code: 5A

Tunnel restriction code: (E)

Limited quantity: 1 L

**IMDG:**

Special provisions: 63, 190, 277, 327, 344, 381, 959

Limited quantity: See SP277

EmS-No: F-D, S-U

**ICAO-TI/IATA-DGR:**

Special provisions: A145, A167, A98, A802

Limited quantity: 30 kg G

ERG Code: 2L

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

## Safety Data Sheet

According to Regulation (EC) No 1907/2006 and Regulation (EC) No. 1272/2008

Revision date: 31/08/2023

### PACKING ZWART

## 15. REGULATORY INFORMATION

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work.

*Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)*

*SVHC: Substances of Very High Concern for Authorization:* This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59).

*EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction:* This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

*Substance subject to authorization per REACH Annex XIV:* This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV).

*Ozone-depleting substances (ODS) regulation (EC) 1005/2009:* Not applicable.

*Persistent Organic Pollutants:* Not applicable.

#### National regulations

##### The Netherlands

SZW- List of carcinogenic, mutagenic and reproductive toxic substances (The Netherlands): Not registered.

Chemical name	The Netherlands – List of cancerogenic substances
Octamethylcyclotetrasiloxane [D4] 556-67-2	Fertility (Category 2)

##### Germany

**Industrial Safety Ordinance (BetrSichV, Germany):** No flammable liquid according to BetrSichV.

**Water hazard class (WGK):** Significantly hazardous to water (WGK 2).

**Storage class according to TRGS 510:** Storage class 2B: Aerosols

**Swiss VOC (%):** <3

### 15.2 Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa.

No Chemical Safety Assessment has been carried out for this mixture.

## 16. OTHER INFORMATION

### Full text of H-Statements referred to under section 3:

EUH014: Reacts violently with water.

EUH071: Corrosive to the respiratory tract.

H226: Flammable liquid and vapor.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H361f: Suspected of damaging fertility.

## Safety Data Sheet

### According to Regulation (EC) No 1907/2006 and Regulation (EC) No. 1272/2008

Revision date: 31/08/2023

## PACKING ZWART

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

#### Abbreviations and acronyms:

TWA: TWA (time-weighted average).

STEL: STEL (Short Term Exposure Limit).

Ceiling: Ceiling Limit Value.

\*: Skin designation.

SVHC: Substance(s) of Very High Concern.

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals.

vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals.

STOT RE: Specific target organ toxicity - Repeated exposure.

STOT SE: Specific target organ toxicity - Single exposure.

EWC: European Waste Catalogue.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

IMDG: International Maritime Dangerous Goods (IMDG).

IATA: International Air Transport Association (IATA).

RID: Regulations concerning the International Transport of Dangerous Goods by Rail.

#### Classification procedure:

Classification according to Regulation (CE) No 1272/2008 [CLP]	Method used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute toxicity at inhalation – gas	Calculation method
Acute toxicity at inhalation – vapor	Calculation method
Acute toxicity at inhalation – dust/mist	Calculation method
Skin corrosion/irritation	Based on test data
Serious eye damage/irritation	Based on test data
Respiratory or skin sensitisation	Based on test data
Skin sensitisation	Based on test data
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Danger at aspiration	Calculation method
Ozone	Calculation method
Flammable aerosol	Based on test data

#### Key literature references and sources for data:

European Food Safety Authority (EFSA)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)

European Chemicals Agency (ECHA) (ECHA\_API)

EPA (Environmental Protection Agency)

AEGL(s) (Acute Exposure Guideline Level(s); guideline values for acute exposure)

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

NIOSH (National Institute for Occupational Safety and Health)

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006 and Regulation (EC) No. 1272/2008**

Revision date: 31/08/2023

<b>PACKING ZWART</b>
----------------------

Publications on Environment, Health and Safety of the Organization for Economic Co-operation and Development  
Program for high production volume chemicals from the Organization for Economic Co-operation and Development  
Screening Information Data Set from the Organization for Economic Co-operation and Development

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