

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 2/23/2022

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

1.1. Product identifier

Product form : Mixture

One-step UV Primer/Filler 400ml Trade name : NVD7-WH9S-5P92-HC9Y UFI

Product code : TSP 1500 Product group : Trade product

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : coatings

Function or use category : Industrial uses: Uses of substances as such or in preparations* at industrial sites,

Consumer uses: Private households (= general public = consumers), Professional uses:

Public domain (administration, education, entertainment, services, craftsmen)

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Chemicar Europe NV Baarbeek, 2 2070 Zwijndrecht

T +32 (0) 3 234 87 80 - F +32 (0) 3 234 87 89

info@chemicar.eu

1.4. Emergency telephone number

Emergency number : +32 (0) 3 760 08 09

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol, Category 1 H222;H229 Skin corrosion/irritation, Category 2 H315 Serious eye damage/eye irritation, Category 2 H319 Skin sensitisation, Category 1 H317 Hazardous to the aquatic environment - Chronic Hazard, Category 2 H411 Specific target organ toxicity - Single exposure, Category 3, Narcosis H336

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)







GHS02

GHS07

GHS09

Signal word (CLP) : Danger

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Contains : acetone; propan-2-one; propanone, (1-methyl-1,2-ethaandiyl)bis[oxy(methyl-2,1-

ethaandiyl)diacrylaat, butanone; ethyl methyl ketone, 4,4'-lsopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-expoxypropane, esters with acrylic acid, propoxylated neopentyl glycol diacrylate, phenyl bis(2,4,6-trimethylbenzoyl)-phosphine

oxide, propylidynetrimethanol, ethoxylated, esters with acrylic acid

Hazard statements (CLP) : H222 - Extremely flammable aerosol.

H229 - Pressurised container: May burst if heated.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.H319 - Causes serious eye irritation.H336 - May cause drowsiness or dizziness.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

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. P260 - Do not breathe mist, vapours, spray.

P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves, eye protection.

D202 - D252 - IF ON SKIN Week with plants of each and water

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403 - Store in a well-ventilated place.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 $^{\circ}$ C, 122

°F.

P501 - Dispose of contents and container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

Nordic countries regulation

Denmark

MAL code : 5-5

2.3. Other hazards

Other hazards which do not result in classification : substance identified as having endocrine disrupting properties.

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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|----------------------------------|----------------------------------------------------------------------|---------|-----------------------------------------------------------------|
| dimethyl ether | CAS-No.: 115-10-6 EC-No.: 204-065-8 EC Index-No.: 603-019-00-8 | 25 – 50 | Flam. Gas 1A, H220 Press. Gas |
| acetone; propan-2-one; propanone | CAS-No.: 67-64-1 EC-No.: 200-662-2 EC Index-No.: 606-001-00-8 | 10 – 25 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |
| polymere urethaanacrylaat | - | 10 – 25 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 |

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------|
| (1-methyl-1,2-ethaandiyl)bis[oxy(methyl-2,1-ethaandiyl)diacrylaat | CAS-No.: 42978-66-5 EC-No.: 256-032-2 | 2.5 – 10 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 2, H411 |
| butanone; ethyl methyl ketone | CAS-No.: 78-93-3 EC-No.: 201-159-0 EC Index-No.: 606-002-00-3 | 2.5 – 10 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |
| 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-expoxypropane, esters with acrylic acid | CAS-No.: 55818-57-0 | 2.5 – 10 | Skin Sens. 1, H317 |
| trizinc bis(orthophosphate) | CAS-No.: 7779-90-0 EC-No.: 231-944-3 EC Index-No.: 030-011-00-6 | 2.5 – 10 | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| propoxylated neopentyl glycol diacrylate | CAS-No.: 84170-74-1 | 2.5 – 10 | Aquatic Chronic 2, H411 Skin Sens. 1, H317 |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide | CAS-No.: 162881-26-7 EC-No.: 423-340-5 EC Index-No.: 015-189-00-5 | 2.5 – 10 | Skin Sens. 1A, H317 Aquatic Chronic 4, H413 |
| xyleen (o) | CAS-No.: 95-47-6 EC-No.: 202-422-2 | 0.1 – 1 | Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 |
| TITANIUM DIOXIDE | CAS-No.: 13463-67-7 EC-No.: 236-675-5 | 0.1 – 1 | Not classified |
| propylidynetrimethanol, ethoxylated, esters with acrylic acid | CAS-No.: 28961-43-5 | 0.1 – 1 | Eye Irrit. 2, H319 Skin Sens. 1, H317 |

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 after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical

advice/attention. In case of loss of consciousness, place the victim in the recovery position.

First-aid measures after skin contact : After contact with skin, wash immediately with plenty of water and soap. Rinse with plenty of

water.

First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open.

Get medical advice/attention.

First-aid measures after ingestion : Do NOT induce vomiting. Seek urgent medical help.

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

No additional information available

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

No additional information available.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : carbon dioxide (CO2). extinguishing powder. Alcohol resistant foam. Water fog.

Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Protection during firefighting : A breathing apparatus ambient air-dependent.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear suitable protective clothing. Keep public away.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Do not allow product to spread into the environment. Notify authorities if liquid enters sewers or public waters. Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

For containment : Provide adequate ventilation.

Methods for cleaning up : Do not flush with water.

Other information : Provide adequate ventilation.

6.4. Reference to other sections

SECTION 7. SECTION 8. SECTION 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not spray on a naked flame or any

incandescent material. Take action to prevent static discharges. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 $^{\circ}$ C. Do not pierce or

burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Follow advice on use, storage, maintenance and replacement. Keep in a cool place.

Information on mixed storage : Follow advice on use, storage, maintenance and replacement.

Storage area : Keep container tightly closed to avoid moisture absorption and contamination. Protect from

heat and direct sunlight.

Special rules on packaging : Store in a closed container.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| 115-10-6 dimethyl ether | | | |
|--------------------------------|----------------------------------------------------------------------------|------------------------------|--|
| WEL | Short-term value: 958 mg/m³, 500 ppm | | |
| ļ | Long-term value: 766 mg/m³, 400 ppm | | |
| 67-64-1 Acetone | | | |
| WEL | Short-term value: 3620 mg/m³, 1500 ppm | | |
| | Long-term value: 1210 mg/m³, 500 ppm | | |
| 78-93-3 butanone | | | |
| WEL | Short-term value: 899 mg/m³, 300 ppm | | |
| ļ | Long-term value: 600 mg/m³, 200 ppm | | |
| 7770 00 0 tuining hig/outhouth | Sk, BMGV | | |
| 7779-90-0 trizinc bis(orthopho | Long-term value: 10 mg/m³ | | |
| 95-47-6 xylene (o) | Long-term value. 10 mg/m- | | |
| 95-47-6 xylene (0) | Chart term value, 444 mg/m3, 400 mm | | |
| | Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm | | |
| | Sk; BMGV | | |
| DNELs | | | |
| 67-64-1 Acetone | | | |
| Oral | DNEL Long term-systemic | 62 mg/kg bw/day (Consumer) | |
| Dermal | DNEL Long term-systemic | 62 mg/kg bw/day (Consumer) | |
| | g , | 186 mg/kg bw/day (Worker) | |
| Inhalative | DNEL Acute-local | 2420 mg/m3 (Worker) | |
| | DNEL Long term-systemic | 200 mg/m3 (Consumer) | |
| | | 1210 mg/m3 (Worker) | |
| 78-93-3 butanone | | | |
| Oral | DNEL Long term-systemic | 31 mg/kg bw/day (Consumer) | |
| Dermal | DNEL Long term-systemic | 412 mg/kg bw/day (Consumer) | |
| | | 1161 mg/kg bw/day (Worker) | |
| Inhalative | DNEL Long term-systemic | 106 mg/m3 (Consumer) | |
| | | 600 mg/m3 (Worker) | |
| 7779-90-0 trizinc bis(orthopho | sphate) | | |
| Oral | DNEL Long term-systemic | 0.83 mg/kg bw/day (Consumer) | |
| Dermal | DNEL Long term-systemic | 83 mg/kg bw/day (Consumer) | |
| | | 83 mg/kg bw/day (Worker) | |
| Inhalative | DNEL Long term-systemic | 2.5 mg/m3 (Consumer) | |
| | | 5 mg/m3 (Worker) | |
| PNECs | | | |
| 67-64-1 Acetone | | | |
| PNEC Marine water | 1.06 mg/l (Undefind) | | |
| PNEC Freshwater sediment | 30.4 mg/l(dry weight) (Undefind) | | |
| PNEC Soil | 29.5 ug/kg (Undefind) | | |
| PNEC Marine water sediment | 3.04 mg/l(dry weight) (Undefind) | | |
| 7779-90-0 trizinc bis(orthopho | sphate) | | |
| PNEC Freshwater | 0.0206 mg/l (Undefind) | | |
| PNEC Marine water | 0.0061 mg/l (Undefind) | | |
| | 0.0001 mg/i (ondomia) | | |
| PNEC Freshwater sediment | 117.8 mg/l(dry weight) (Undefind) | | |

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| 115-10-6 dimethyl ether | |
|--------------------------------|---------------------|
| PNEC Sewage Treatment Plant | 0.1 mg/l (Undefind) |

| Ingredients with biological lim | Ingredients with biological limit values: | |
|---------------------------------|-------------------------------------------------------------------------------------------------|--|
| 78-93-3 butanone | | |
| BMGV | 70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one | |
| 95-47-6 xylene (o) | 95-47-6 xylene (o) | |
| BMGV | 650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid | |

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

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

No supplementary information available. SECTION 7.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):





8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

| Eye protection | | | |
|--------------------|----------------------|-----------------|----------|
| Туре | Field of application | Characteristics | Standard |
| Protective goggles | | | EN 166 |

8.2.2.2. Skin protection

| Skin and body protection | |
|--------------------------|------------------------------|
| Туре | Standard |
| | EN 1149, EN 340, EN 13034 |

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Hand protection:

Wear gloves according to EN374 resistant to the solvent(s) in use. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer

| Hand protection | | | | | |
|-----------------------|----------------------|-----------------------------------------|----------------|-------------|------------|
| Туре | Material | Permeation | Thickness (mm) | Penetration | Standard |
| Nitrile rubber gloves | Nitrile rubber (NBR) | 5 (> 240 minutes), 6 (> 480 minutes) | >0.5 | | EN ISO 374 |

8.2.2.3. Respiratory protection

Respiratory protection:

Wear suitable respiratory equipment in case of insufficient ventilation

| Respiratory protection | | | |
|------------------------|-----------------------|-------------------------------------------|----------|
| Device | Filter type | Condition | Standard |
| | Type P2, Filter A2/B2 | In the event of insufficient ventilation: | |

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:

Keep away from food, drink and animal feedingstuffs. Immediately remove contaminated clothing or footwear. Wash hands before breaks and after work. Avoid contact with skin and eyes. Ensure good ventilation of the work station.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Gas Appearance : Aerosol.

Colour

Odour

Odour

Colour threshold

Description

Colour threshold

Description

Colour threshold

Description

Colour threshold

Description

Colour threshold

Colour thr

Boiling point : \geq -24.8 °C (115-10-6 Dimethylether) Flash point : -42 °C (115-10-6 Dimethylether)

Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available

Vapour pressure : 5200 hPa (20°C) (115-10-6 Dimethylether)

Relative vapour density at 20 °C : No data available Relative density : No data available Density : $\approx 0.879 \text{ g/cm}^3 (20^{\circ}\text{C})$ Solubility : Practically not miscible. Partition coefficient n-octanol/water (Log Pow) : No data available Viscosity, kinematic : No data available : No data available Viscosity, dynamic Explosive properties : No data available : No data available Oxidising properties

Lower explosive limit (LEL) : 1.8 vol % (78-93-3 butanon)
Upper explosive limit (UEL) : 26 vol % (115-10-6 Dimethylether)

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9.2. Other information

VOC content : 549.4 g/l VOC-CH: 62,51%

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional data.

10.2. Chemical stability

No decomposition when used according to regulations.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified

| LD/LC50 values relevant for classification: | | |
|---------------------------------------------|-----------|---------------------------------------------|
| 67-64-1 Acetone | | |
| Oral | LD50 | 5800 mg/kg (Rat) |
| Dermal | LD50 | 7800 mg/kg (Rabbit) |
| Inhalative | LC50 (4h) | >20 mg/l (Rat) |
| 78-93-3 butanone | | |
| Oral | LD50 | >2193 mg/kg (Rat) |
| Dermal | LD50 | >5000 mg/kg (Rabbit) 5000 mg/kg (Rabbit) |
| 7779-90-0 trizinc bis(orthophosphate) | | |
| Oral | LD50 | 5000 mg/kg (Rat) |

 Acute toxicity (dermal)
 : criterion not met

 Acute toxicity (inhalation)
 : Not classified

 Skin corrosion/irritation
 : Causes skin irritation.

 Serious eye damage/irritation
 : Causes serious eye irritation.

 Respiratory or skin sensitisation
 : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified

STOT-single exposure : May cause drowsiness or dizziness.

acetone; propan-2-one; propanone (67-64-1)

STOT-single exposure May cause drowsiness or dizziness.

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| (1-methyl-1,2-ethaandiyl)bis[oxy(methyl-2,1-ethaandiyl)diacrylaat (42978-66-5) | |
|--------------------------------------------------------------------------------|------------------------------------|
| STOT-single exposure May cause respiratory irritation. | |
| butanone; ethyl methyl ketone (78-93-3) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| STOT-repeated exposure : Not classified | |

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

| Aquatic toxicity | Aquatic toxicity | |
|--------------------------------|----------------------------------------------|--|
| 67-64-1 Acetone | | |
| EC50 | 8800 mg/l (Daphnia magna) 8300 mg/l (Fish) | |
| 78-93-3 butanone | | |
| LC50 (96h) | 2993 mg/l (Pimephales promelas) | |
| EC50 (48h) | 308 mg/l (Daphnia magna) | |
| 7779-90-0 trizinc bis(orthopho | sphate) | |
| LC50 | 0.78 mg/l (Pimephales promelas) | |
| EC50 | 0.147 mg/l (Pseudokirchneriella subcapitata) | |
| NOEC | 0.044 mg/l (Fish) | |
| NOEC (7 days) | 0.019 mg/l (Pseudokirchneriella subcapitata) | |
| EC50 (72h) | 0.136 mg/l (Algae) | |
| LC50 (96h) | 0.169 mg/l (Onc) | |
| EC50 (48h) | 2.34 mg/l (Daphnia magna) | |
| ErC(50) (72h) | 0.14 mg/l (Desmodesmus subspicatus) | |

Ecology - general : Toxic to aquatic life. No information available.

Hazardous to the aquatic environment, short-term

acute)

Hazardous to the aquatic environment, long-term

(chronic)

: I oxic to aquatic life. No information available.: Not classified

: Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

| One-step UV Primer/Filler 400ml | |
|---------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |

12.3. Bioaccumulative potential

| One-step UV Primer/Filler 400ml | | |
|---------------------------------|---------------------------|------------------------------------|
| | Bioaccumulative potential | No bioaccumulation data available. |

12.4. Mobility in soil

| One-step UV Primer/Filler 400ml | |
|---------------------------------|----------------------------------------|
| Additional information | No supplementary information available |

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects : Highly toxic to fishes.

Water difficulty 4 : Very toxic to aquatic organisms; can be used in the aquatic environment for a long time

harmful effecs.

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Additional information

: Danger of drinking-water pollution (ground water). Very toxic to aquatic life

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)

Product/Packaging disposal recommendations European List of Waste (LoW) code

HP Code

- : Do not dispose of with domestic waste. Do not discharge into drains. Disposal must be done according to official regulations.
- : Disposal must be done according to official regulations.
- : 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances
- : 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.
 - 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

| ADR | IMDG | IATA | ADN |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|
| 14.1. UN number | | | |
| UN 1950 | UN 1950 | UN 1950 | UN 1950 |
| 14.2. UN proper shipping nar | ne | | |
| | AEROSOLS ((1-methyl-1,2- ethanediyl)bis(oxy(methyl-2,1-1- ethanediyl) diacrylate, trizinc bis (othophosphate, propoxylated neopentyl glycol diacrylate), MARINE POLLUTANT | Not applicable | |
| Transport document description | | | |
| UN 1950 , 2.1, (D), ENVIRONMENTALLY HAZARDOUS | UN 1950 AEROSOLS ((1-methyl- 1,2-ethanediyl)bis(oxy(methyl-2,1- 1-ethanediyl) diacrylate, trizinc bis (othophosphate, propoxylated neopentyl glycol diacrylate), MARINE POLLUTANT, 2.1, MARINE POLLUTANT/ENVIRONMENTALL Y HAZARDOUS | UN 1950 , 2.1, ENVIRONMENTALLY HAZARDOUS | UN 1950 , 2.1, ENVIRONMENTALLY HAZARDOUS |
| 14.3. Transport hazard class | (es) | | |
| 2.1 | 2.1 | 2.1 | 2.1 |

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| IMDG | IATA | ADN | |
|----------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------|--|
| 2 | 2 | 2 2 | |
| | | | |
| Not applicable | Not applicable | Not applicable | |
| | | | |
| Dangerous for the environment: Yes Marine pollutant: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes | |
| | Not applicable Dangerous for the environment: Yes | Not applicable Not applicable Dangerous for the environment: Yes Dangerous for the environment: Yes | |

14.6. Special precautions for user

Overland transport

Transport regulations (ADR) : Subject to the provisions

Classification code (ADR) : 5F
Limited quantities (ADR) : 11
Excepted quantities (ADR) : E0
Transport category (ADR) : 2
Tunnel restriction code (ADR) : D

Transport by sea

Limited quantities (IMDG) : 1 L

Excepted quantities (IMDG) : E0

EmS-No. (Fire) : F-D

EmS-No. (Spillage) : S-U

Stowage and handling (IMDG) : SW1, SW22

Segregation (IMDG) : SG69

Air transport

No data available

Inland waterway transport

Classification code (ADN) : 5F

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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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 | | |
| 40. | dimethyl ether; butanone; ethyl methyl ketone; acetone; propan-2-one; propanone | |
| 3. | butanone; ethyl methyl ketone ; acetone; propan-2-one; propanone | |
| 3(a) | butanone; ethyl methyl ketone ; acetone; propan-2-one; propanone | |
| 3(b) | butanone; ethyl methyl ketone ; acetone; propan-2-one; propanone | |

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

VOC Directive (2004/42)

VOC content : 549.4 g/l VOC-CH: 62,51%

Explosives Precursors Regulation (2019/1148)

Contains substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

ANNEX II REPORTABLE EXPLOSIVES PRECURSORS

List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

| Name | CAS-No. | Combined | Combined Nomenclature code for mixture without |
|---------|---------|------------|-------------------------------------------------------------------------|
| | | | constituents which would determine classification under another CN code |
| Acetone | 67-64-1 | 2914 11 00 | ex 3824 99 92 |

Please see https://ec.europa.eu/home-affairs/system/files/2021-11/list_of_competent_authorities_and_national_contact_points_en.pdf

Drug Precursors Regulation (273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

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| Name | CN designation | CAS-No. | CN code | Category | Threshold | Annex |
|-------------------|-------------------|---------|------------|------------|-----------|---------|
| Acetone | | 67-64-1 | 2914 11 00 | Category 3 | | Annex I |
| Methylethylketone | Butanone | 78-93-3 | 2914 12 00 | Category 3 | | Annex I |

15.1.2. National regulations

France

| Occupational diseases | | |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Code | Description | |
| RG 84 | Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide | |

Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

Waterbezwaarlijkheid : 10 - Weinig schadelijk voor in het water levende organismen; kan in het aquatisch milieu op

lange termijn schadelijke effecten veroorzaken.

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

SZW-lijst van reprotoxische stoffen – : None of the components are listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Pregnant/breastfeeding women working with the product must not be in direct contact with

. Pregnant/breastreeding women working with the product must not be in direct contact with

the product

Switzerland

Storage class (LK) : LK 2 - Liquefied or pressurized gases

15.2. Chemical safety assessment

A chemical safety assessment has been carried out

SECTION 16: Other information

| Full text of H- and EUH-statements: | |
|-------------------------------------|-------------------------------------------------------------------|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 4 | Hazardous to the aquatic environment – Chronic Hazard, Category 4 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Gas 1A | Flammable gases, Category 1A |
| Flam. Liq. 2 | Flammable liquids, Category 2 |

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| Full text of H- and EUH-statements: | | |
|-------------------------------------|------------------------------------------------------------------------|--|
| Flam. Liq. 3 | Flammable liquids, Category 3 | |
| H220 | Extremely flammable gas. | |
| H222 | Extremely flammable aerosol. | |
| H225 | Highly flammable liquid and vapour. | |
| H226 | Flammable liquid and vapour. | |
| H229 | Pressurised container: May burst if heated. | |
| H312 | Harmful in contact with skin. | |
| H315 | Causes skin irritation. | |
| H317 | May cause an allergic skin reaction. | |
| H319 | Causes serious eye irritation. | |
| H332 | Harmful if inhaled. | |
| H335 | May cause respiratory irritation. | |
| H336 | May cause drowsiness or dizziness. | |
| H400 | Very toxic to aquatic life. | |
| H410 | Very toxic to aquatic life with long lasting effects. | |
| H411 | Toxic to aquatic life with long lasting effects. | |
| H413 | May cause long lasting harmful effects to aquatic life. | |
| Press. Gas | Gases under pressure | |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 | |
| Skin Sens. 1 | Skin sensitisation, Category 1 | |
| Skin Sens. 1A | Skin sensitisation, category 1A | |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Narcosis | |

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.