



25140B - 25140G - 25140V

Revision nr. 13

GEL-FINISH AEROSOL

Dated 17/01/2022

Printed on 17/01/2022

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Replaced revision:12 (Dated: 10/09/2021)

Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier

Code: **25140**
Product name **SPRAY GEL-FINISH**
UFI : **6N70-00MX-F00E-JJ0A**

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

Intended use **ANTICORROSIVE PRIMER**

1.3. Details of the supplier of the safety data sheet

Name **GELSON SRL**
Full address **Via Varese 11/13**
District and Country **20045 Lainate (MI)**
Italia
Tel. +39 02 9370640
Fax +39 02 93570880

e-mail address of the competent person responsible for the Safety Data Sheet **info@gelson.it**

Australian distributor Oz-Gel
236 Maddington Road
Maddington 6109 Western Australia
enquiries@ozgel.com.au
Australian distributor phone number 0418 913 426 (General Information)

1.4. Emergency telephone number

For urgent inquiries refer to **POISONS INFORMATION CENTRE**
Australia Tel. 13 11 26
New Zealand Tel. 0800 764 766

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture



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The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

| | | |
|--|-------|--|
| Aerosol, category 1 | H222 | Extremely flammable aerosol. |
| | H229 | Pressurised container: may burst if heated. |
| Reproductive toxicity, category 2 | H361d | Suspected of damaging the unborn child. |
| Specific target organ toxicity - repeated exposure, category 2 | H373 | May cause damage to organs through prolonged or repeated exposure. |
| Serious eye damage, category 1 | H318 | Causes serious eye damage. |
| Skin irritation, category 2 | H315 | Causes skin irritation. |
| Specific target organ toxicity - single exposure, category 3 | H335 | May cause respiratory irritation. |
| Skin sensitization, category 1 | H317 | May cause an allergic skin reaction. |
| Specific target organ toxicity - single exposure, category 3 | H336 | May cause drowsiness or dizziness. |
| Hazardous to the aquatic environment, chronic toxicity, category 2 | H411 | Toxic to aquatic life with long lasting effects. |

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Danger

Hazard statements:

| | |
|-------|--|
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: may burst if heated. |
| H361d | Suspected of damaging the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H318 | Causes serious eye damage. |
| H315 | Causes skin irritation. |
| H335 | May cause respiratory irritation. |



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| | |
|---------------|--|
| H317 | May cause an allergic skin reaction. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |
| EUH211 | Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. |

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. |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F. |
| P211 | Do not spray on an open flame or other ignition source. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P280 | Wear protective gloves/ protective clothing / eye protection / face protection. |

| | |
|------------------|--|
| Contains: | TOLUENE |
| | ISOBUTYL ALCOHOL |
| | REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN) (MW 700-1100) |
| | PROPAN-2-OL |
| | FORMALDEHYDE |

VOC (Directive 2004/42/EC) :

Special finishes.

| | |
|---|--------|
| VOC given in g/litre of product in a ready-to-use condition : | 685,61 |
| Limit value: | 840,00 |

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration \geq 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

| Identification | x = Conc. % | Classification (EC) 1272/2008 (CLP) |
|-----------------------|--------------------|--|
| Dimethyl ether | | |
| CAS 115-10-6 | $40 \leq x < 42,5$ | Flam. Gas 1A H220, Press. Gas H280, Classification note according to Annex VI to the CLP Regulation: U |



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GEL-FINISH AEROSOL

EC 204-065-8

INDEX 603-019-00-8

TOLUENE

CAS 108-88-3

$15 \leq x < 16,5$

Flam. Liq. 2 H225, Repr. 2 H361d, Asp. Tox. 1 H304, STOT RE 2 H373, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Chronic 3 H412

EC 203-625-9

INDEX 601-021-00-3

REACH Reg. 01-2119471310-51

ISOBUTYL ALCOHOL

CAS 78-83-1

$10,5 \leq x < 12$

Flam. Liq. 3 H226, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, STOT SE 3 H336

EC 201-148-0

INDEX 603-108-00-1

REACH Reg. 01-2119484609-23

PROPAN-2-OL

CAS 67-63-0

$5 \leq x < 6$

Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336

EC 200-661-7

INDEX 603-117-00-0

REACH Reg. 01-2119457558-25

TITANIUM DIOXIDE [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]

CAS 13463-67-7

$4 \leq x < 4,5$

Carc. 2 H351, Classification note according to Annex VI to the CLP Regulation: 10, V, W

EC 236-675-5

INDEX 022-006-00-2

TRIZINC BIS (ORTHOPHOSPHATE)

CAS 7779-90-0

$2,5 \leq x < 3$

Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1

EC 231-944-3

INDEX 030-011-00-6

REACH Reg. 01-2119485944-40

2-BUTOXYETHANOL

CAS 111-76-2

$2,5 \leq x < 3$

Acute Tox. 4 H302, Acute Tox. 4 H332, Eye Irrit. 2 H319, Skin Irrit. 2 H315
LD50 Oral: 1200 mg/kg, STA Inhalation vapours: 11 mg/l

EC 203-905-0

INDEX 603-014-00-0

REACH Reg.
01-2119475108-36-XXXX

ACETONE

CAS 67-64-1

$2 \leq x < 2,5$

Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066

EC 200-662-2

INDEX 606-001-00-8

REACH Reg. 01-2119471330-49

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GEL-FINISH AEROSOL**METHYL ETHYL KETONE**

CAS 78-93-3 $2 \leq x < 2,5$ Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
EC 201-159-0
INDEX 606-002-00-3
REACH Reg. 01-2119457290-43

N-BUTYL ACETATE

CAS 123-86-4 $1,5 \leq x < 2$ Flam. Liq. 3 H226, STOT SE 3 H336, EUH066
EC 204-658-1
INDEX 607-025-00-1
REACH Reg. 01-2119485493-29

ISOBUTYL ACETATE

CAS 110-19-0 $1,5 \leq x < 2$ Flam. Liq. 2 H225, STOT SE 3 H336, EUH066, Classification note according to Annex VI to the CLP Regulation: C
EC 203-745-1
INDEX 607-026-00-7
REACH Reg. 01-2119488971-22

REACTION PRODUCT:**BISPHENOL****A-(EPICHLORHYDRIN) (MW 700-1100)**

CAS 25068-38-6 $1 \leq x < 1,5$ Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317
EC 500-033-5 Skin Irrit. 2 H315: $\geq 5\%$, Eye Irrit. 2 H319: $\geq 5\%$
INDEX -

ETHYL ACETATE

CAS 141-78-6 $1 \leq x < 1,5$ Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
EC 205-500-4
INDEX 607-022-00-5
REACH Reg. 01-2119475103-46

1-METHOXY-2-PROPANOL

CAS 107-98-2 $0,5 \leq x < 0,6$ Flam. Liq. 3 H226, STOT SE 3 H336
EC 203-539-1
INDEX 603-064-00-3
REACH Reg. 01-2119457435-35

XYLENE (MIXTURE OF ISOMERS)

CAS 1330-20-7 $0,35 \leq x < 0,4$ Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Aquatic Chronic 3 H412, Classification note according to Annex VI to the CLP Regulation: C
STA Dermal: 1100 mg/kg, STA Inhalation vapours: 11 mg/l
EC 215-535-7
INDEX 601-022-00-9
REACH Reg. 01-2119488216-32

Hydrocarbons, C9, aromatics

CAS - $0,35 \leq x < 0,4$ Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H335, STOT SE 3 H336, Aquatic Chronic 2 H411, EUH066, Classification note according to Annex VI

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to the CLP Regulation: P

EC 918-668-5

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REACH Reg. 01-2119455851-35

PHOSPHORIC ACID

CAS 7664-38-2

 $0,25 \leq x < 0,3$

Skin Corr. 1B H314, Eye Dam. 1 H318, Classification note according to Annex VI to the CLP Regulation: B

EC 231-633-2

Skin Corr. 1B H314: $\geq 25\%$, Skin Irrit. 2 H315: $\geq 10\%$, Eye Dam. 1 H318: $\geq 25\%$, Eye Irrit. 2 H319: $\geq 10\%$

INDEX 015-011-00-6

ETHYLBENZENE

CAS 100-41-4

 $0,1 \leq x < 0,15$

Flam. Liq. 2 H225, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Aquatic Chronic 3 H412

EC 202-849-4

LC50 Inhalation vapours: 17,2 mg/l/4h

INDEX 601-023-00-4

REACH Reg. 01-2119489370-35

PHENOL

CAS 108-95-2

 $0,1 \leq x < 0,15$ Muta. 2 H341, Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, STOT RE 2 H373, Skin Corr. 1B H314, Eye Dam. 1 H318
Skin Corr. 1B H314: $\geq 3\%$, Skin Irrit. 2 H315: $\geq 1\%$

EC 203-632-7

INDEX 604-001-00-2

LD50 Oral: 282 mg/kg, LD50 Dermal: 660 mg/kg, STA Inhalation mists/powders: 0,501 mg/l

REACH Reg. 01-2119488953-20

FORMALDEHYDE

CAS 50-00-0

 $0 \leq x < 0,05$

Carc. 1B H350, Muta. 2 H341, Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Skin Sens. 1 H317, Classification note according to Annex VI to the CLP Regulation: B, D

EC 200-001-8

Skin Corr. 1B H314: $\geq 25\%$, Skin Irrit. 2 H315: $\geq 5\%$, Skin Sens. 1 H317: $\geq 0,2\%$, Eye Dam. 1 H318: $\geq 25\%$, Eye Irrit. 2 H319: $\geq 5\%$, STOT SE 3 H335: $\geq 5\%$

INDEX 605-001-00-5

LD50 Oral: 100 mg/kg, LD50 Dermal: 270 mg/kg, LC50 Inhalation vapours: 0,588 mg/l/4h

The full wording of hazard (H) phrases is given in section 16 of the sheet.

The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered (unless they have health hazards). The percentages indicated are inclusive of the propellants.

Percentage of propellants: 40,00 %

SECTION 4. First aid measures**4.1. Description of first aid measures**

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.



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INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the fire. Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

6.2. Environmental precautions

Do not disperse in the environment.

6.3. Methods and material for containment and cleaning up



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Use inert absorbent material to soak up leaked product. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

7.2. Conditions for safe storage, including any incompatibilities

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

| | | |
|-----|----------------|---|
| DEU | Deutschland | Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56 |
| ESP | España | Límites de exposición profesional para agentes químicos en España 2021 |
| FRA | France | Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS |
| ITA | Italia | Decreto Legislativo 9 Aprile 2008, n.81 |
| NLD | Nederland | Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit |
| PRT | Portugal | Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-limite de exposição profissional indicativos para os agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os riscos ligados à exposição durante o trabalho a agentes cancerígenos ou mutagénicos |
| GBR | United Kingdom | EH40/2005 Workplace exposure limits (Fourth Edition 2020) |
| EU | OEL EU | Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC. |
| | TLV-ACGIH | ACGIH 2021 |



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TOLUENE

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 190 | 50 | 760 | 200 | SKIN |
| MAK | DEU | 190 | 50 | 760 | 200 | SKIN |
| VLA | ESP | 192 | 50 | 384 | 100 | SKIN |
| VLEP | FRA | 76,8 | 20 | 384 | 100 | SKIN |
| VLEP | ITA | 192 | 50 | | | SKIN |
| TGG | NLD | 150 | | 384 | | |
| VLE | PRT | 192 | 50 | 384 | 100 | SKIN |
| WEL | GBR | 191 | 50 | 384 | 100 | SKIN |
| OEL | EU | 192 | 50 | 384 | 100 | SKIN |
| TLV-ACGIH | | | 20 | | | |

Predicted no-effect concentration - PNEC

| | | |
|--|-------|-------|
| Normal value in fresh water | 0,68 | mg/l |
| Normal value in marine water | 0,68 | mg/l |
| Normal value for fresh water sediment | 16,39 | mg/kg |
| Normal value for marine water sediment | 16,39 | mg/kg |
| Normal value for water, intermittent release | 0,68 | mg/l |
| Normal value of STP microorganisms | 13,61 | mg/l |
| Normal value for the terrestrial compartment | 2,89 | mg/kg |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | Effects on workers | | | | |
|-------------------|----------------------|----------------|---------------|--------------------|-------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | VND | 8,13 mg/kg/d | | | | |
| Inhalation | | | VND | 56,5 mg/m3 | VND | 192 mg/m3 | | |
| Skin | | | VND | 226 mg/kg/d | | | VND | 384 mg/kg/d |

ISOBUTYL ALCOHOL

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|------|---------|--------|-----|------------|---------|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 310 | 100 | 310 (C) | 100 (C) | |
| MAK | DEU | 310 | 100 | 310 | 100 | |
| VLA | ESP | 154 | 50 | | | |
| VLEP | FRA | 150 | 50 | | | |
| TGG | NLD | 150 | | | | |



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| | | | | | |
|--|-----|-----|----|------|-------|
| WEL | GBR | 154 | 50 | 231 | 75 |
| TLV-ACGIH | | 152 | 50 | | |
| Predicted no-effect concentration - PNEC | | | | | |
| Normal value in fresh water | | | | 0,4 | mg/l |
| Normal value in marine water | | | | 0,04 | mg/l |
| Normal value for fresh water sediment | | | | 1,52 | mg/kg |
| Normal value for marine water sediment | | | | 0,15 | mg/kg |
| Normal value for water, intermittent release | | | | 11 | mg/l |
| Normal value of STP microorganisms | | | | 10 | mg/l |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | Effects on workers | | | | |
|-------------------|----------------------|----------------|---------------|--------------------|-------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Inhalation | | | 55 mg/m3 | VND | | | 310 mg/m3 | VND |

PROPAN-2-OL

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 500 | 200 | 1000 | 400 | |
| MAK | DEU | 500 | 200 | 1000 | 400 | |
| VLA | ESP | 500 | 200 | 1000 | 400 | |
| VLEP | FRA | | | 980 | 400 | |
| TGG | NLD | 650 | | | | |
| WEL | GBR | 999 | 400 | 1250 | 500 | |
| TLV-ACGIH | | 492 | 200 | 983 | 400 | |

Predicted no-effect concentration - PNEC

| | | | | | |
|---|--|--|--|-------|-------|
| Normal value in fresh water | | | | 140,9 | mg/l |
| Normal value in marine water | | | | 140,9 | mg/l |
| Normal value for fresh water sediment | | | | 552 | mg/kg |
| Normal value for marine water sediment | | | | 552 | mg/kg |
| Normal value for water, intermittent release | | | | 140,9 | mg/l |
| Normal value of STP microorganisms | | | | 2251 | mg/l |
| Normal value for the food chain (secondary poisoning) | | | | 160 | mg/kg |
| Normal value for the terrestrial compartment | | | | 28 | mg/kg |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | Effects on workers | | | | |
|-------------------|----------------------|----------------|---------------|--------------------|-------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | VND | 26 mg/kg | | | | |

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| | | | | |
|------------|-----|-----------|-----|-----------|
| Inhalation | VND | 89 mg/m3 | VND | 500 mg/m3 |
| Skin | VND | 319 mg/kg | VND | 888 mg/kg |

**TITANIUM DIOXIDE [in powder form contain
ing 1 % or more of particles with aerodynamic dia
meter ≤ 10 µm]**

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|---------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| VLA | ESP | 10 | | | | |
| VLEP | FRA | 10 | | | | |
| WEL | GBR | 10 | | | | INHAL |
| WEL | GBR | 4 | | | | RESP |
| TLV-ACGIH | | 10 | | | | |

TRIZINC BIS (ORTHOPHOSPHATE)**Threshold Limit Value**

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|------|---------|--------|-----|------------|-----|---------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| MAK | DEU | 2 | | 4 | | INHAL |
| MAK | DEU | 0,1 | | 0,4 | | RESP |

2-BUTOXYETHANOL**Threshold Limit Value**

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|--------|---------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 49 | 10 | 98 (C) | 20 (C) | SKIN |
| MAK | DEU | 49 | 10 | 98 | 20 | SKIN Hinweis |
| VLA | ESP | 98 | 20 | 245 | 50 | SKIN |
| VLEP | FRA | 49 | 10 | 246 | 50 | SKIN |
| VLEP | ITA | 98 | 20 | 246 | 50 | SKIN |
| TGG | NLD | 100 | | 246 | | SKIN |
| VLE | PRT | 98 | 20 | 246 | 50 | SKIN |
| WEL | GBR | 123 | 25 | 246 | 50 | SKIN |
| OEL | EU | 98 | 20 | 246 | 50 | SKIN |
| TLV-ACGIH | | 97 | 20 | | | |

Predicted no-effect concentration - PNEC

| | | |
|------------------------------|------|------|
| Normal value in fresh water | 8,8 | mg/l |
| Normal value in marine water | 0,88 | mg/l |



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| | | |
|---|---------|-------|
| Normal value for fresh water sediment | 34,6 | mg/kg |
| Normal value for marine water sediment | 3,46 | mg/kg |
| Normal value for water, intermittent release | 9,1 | mg/l |
| Normal value for the food chain (secondary poisoning) | 0,00002 | mg/kg |
| Normal value for the terrestrial compartment | 3,13 | mg/kg |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | Effects on workers | | | | |
|-------------------|----------------------|----------------|---------------|--------------------|-------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | VND | 3,2 mg/kg | | | | |
| Inhalation | | | VND | 49 mg/m3 | | | VND | 98 mg/m3 |
| Skin | | | VND | 38 mg/kg | | | VND | 75 mg/kg |

ACETONE

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|----------|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 1200 | 500 | 2400 (C) | 1000 (C) | |
| MAK | DEU | 1200 | 500 | 2400 | 1000 | |
| VLEP | FRA | 1210 | 500 | 2420 | 1000 | |
| VLEP | ITA | 1210 | 500 | | | |
| TGG | NLD | 1210 | | 2420 | | |
| VLE | PRT | 1210 | 500 | | | |
| WEL | GBR | 1210 | 500 | 3620 | 1500 | |
| OEL | EU | 1210 | 500 | | | |
| TLV-ACGIH | | | 250 | | 500 | |

Predicted no-effect concentration - PNEC

| | | |
|--|------|-------|
| Normal value in fresh water | 10,6 | mg/l |
| Normal value in marine water | 1,06 | mg/l |
| Normal value for fresh water sediment | 30,4 | mg/kg |
| Normal value for marine water sediment | 3,04 | mg/kg |
| Normal value for water, intermittent release | 21 | mg/l |
| Normal value of STP microorganisms | 100 | mg/l |
| Normal value for the terrestrial compartment | 33,3 | mg/kg |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | Effects on workers | | | | |
|-------------------|----------------------|----------------|---------------|--------------------|-------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | VND | 62 mg/kg/d | | | | |
| Inhalation | | | VND | 200 mg/m3 | VND | 2420 mg/m3 | VND | 1210 mg/m3 |

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GEL-FINISH AEROSOL

Skin VND 62 mg/kg/d VND 186 mg/kg/d

METHYL ETHYL KETONE**Threshold Limit Value**

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 600 | 200 | 600 | 200 | SKIN |
| MAK | DEU | 600 | 200 | 600 | 200 | SKIN |
| VLA | ESP | 600 | 200 | 900 | 300 | |
| VLEP | FRA | 600 | 200 | 900 | 300 | SKIN |
| VLEP | ITA | 600 | 200 | 900 | 300 | |
| TGG | NLD | 590 | | 500 | | SKIN |
| VLE | PRT | 600 | 200 | 900 | 300 | |
| WEL | GBR | 600 | 200 | 899 | 300 | SKIN |
| OEL | EU | 600 | 200 | 900 | 300 | |
| TLV-ACGIH | | 590 | 200 | 885 | 300 | |

Predicted no-effect concentration - PNEC

| | | |
|--|-------|-------|
| Normal value in fresh water | 55,8 | mg/l |
| Normal value in marine water | 55,8 | mg/l |
| Normal value for fresh water sediment | 284,7 | mg/kg |
| Normal value for marine water sediment | 284,7 | mg/kg |
| Normal value for water, intermittent release | 55,8 | mg/l |
| Normal value of STP microorganisms | 709 | mg/l |
| Normal value for the terrestrial compartment | 22,5 | mg/kg |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | Effects on workers | | | | |
|-------------------|----------------------|----------------|---------------|--------------------|-------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | | 31 mg/kg/d | | | | |
| Inhalation | | | | 106 mg/m3 | | | | 600 mg/m3 |
| Skin | | | | 412 mg/kg/d | | | | 1161 mg/kg/d |

N-BUTYL ACETATE**Threshold Limit Value**

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|------|---------|--------|-----|------------|---------|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 300 | 62 | 600 (C) | 124 (C) | |
| VLA | ESP | 241 | 50 | 724 | 150 | |
| VLEP | FRA | 710 | 150 | 940 | 200 | |



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| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| VLEP | ITA | 241 | 50 | 723 | 150 |
| TGG | NLD | 150 | | | |
| VLE | PRT | 241 | 50 | 723 | 150 |
| WEL | GBR | 724 | 150 | 966 | 200 |
| OEL | EU | 241 | 50 | 723 | 150 |
| TLV-ACGIH | | | 50 | | 150 |

Predicted no-effect concentration - PNEC

| | | |
|--|------|-------|
| Normal value in fresh water | 0,18 | mg/l |
| Normal value in marine water | 0,01 | mg/l |
| Normal value for fresh water sediment | 0,98 | mg/kg |
| Normal value for marine water sediment | 0,09 | mg/kg |
| Normal value for water, intermittent release | 0,36 | mg/l |
| Normal value of STP microorganisms | 35,6 | mg/l |
| Normal value for the terrestrial compartment | 0,09 | mg/kg |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | Effects on workers | | | |
|-------------------|----------------------|----------------|---------------|--------------------|-------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Chronic local | Chronic systemic |
| Inhalation | 859,7 mg/m3 | 859,7 mg/m3 | 102,34 mg/m3 | 102,34 mg/m3 | 960 mg/m3 | 480 mg/m3 | 480 mg/m3 |

ISOBUTYL ACETATE

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|---------|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 300 | 62 | 600 (C) | 124 (C) | |
| VLA | ESP | 724 | 150 | | | |
| VLEP | FRA | 710 | 150 | 940 | 200 | |
| VLEP | ITA | 241 | 50 | 723 | 150 | |
| TGG | NLD | 480 | | | | |
| VLE | PRT | 241 | 50 | 723 | 150 | |
| WEL | GBR | 724 | 150 | 903 | 187 | |
| OEL | EU | 241 | 50 | 723 | 150 | |
| TLV-ACGIH | | | 50 | | 150 | |

ETHYL ACETATE

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 730 | 200 | 1460 | 400 | |



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GEL-FINISH AEROSOL

| | | | | | |
|-----------|-----|------|-----|------|-----|
| MAK | DEU | 750 | 200 | 1500 | 400 |
| VLA | ESP | 734 | 200 | 1468 | 400 |
| VLEP | FRA | 734 | 200 | 1468 | 400 |
| VLEP | ITA | 734 | 200 | 1468 | 400 |
| TGG | NLD | 734 | | 1468 | |
| VLE | PRT | 734 | 200 | 1468 | 400 |
| WEL | GBR | 734 | 200 | 1468 | 400 |
| OEL | EU | 734 | 200 | 1468 | 400 |
| TLV-ACGIH | | 1441 | 400 | | |

Predicted no-effect concentration - PNEC

| | | |
|--|-------|---------|
| Normal value in fresh water | 246 | mg/l |
| Normal value in marine water | 0,026 | mg/l |
| Normal value for fresh water sediment | 0,34 | mg/kg |
| Normal value of STP microorganisms | 650 | mg/l |
| Normal value for the terrestrial compartment | 0,22 | mg/kg/d |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | | Effects on workers | | | |
|-------------------|----------------------|----------------|----------------|------------------|--------------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | 4.5 mg/kg bw/d | | | | | |
| Inhalation | 734 mg/m3 | 734 mg/m3 | 367 mg/m3 | 367 mg/m3 | 1468 mg/m3 | 1468 mg/m3 | 734 mg/m3 | 734 mg/m3 |
| Skin | | | | 37 mg/kg/d | | | | 63 mg/kg/d |

1-METHOXY-2-PROPANOL

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 370 | 100 | 740 | 200 | |
| MAK | DEU | 370 | 100 | 740 | 200 | |
| VLA | ESP | 375 | 100 | 568 | 150 | SKIN |
| VLEP | FRA | 188 | 50 | 375 | 100 | SKIN |
| VLEP | ITA | 375 | 100 | 568 | 150 | SKIN |
| TGG | NLD | 375 | | 563 | | SKIN |
| VLE | PRT | 375 | 100 | 568 | 150 | |
| WEL | GBR | 375 | 100 | 560 | 150 | SKIN |
| OEL | EU | 375 | 100 | 568 | 150 | SKIN |
| TLV-ACGIH | | 184 | 50 | 368 | 100 | |

XYLENE (MIXTURE OF ISOMERS)



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Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 440 | 100 | 880 | 200 | SKIN |
| MAK | DEU | 440 | 100 | 880 | 200 | SKIN |
| VLA | ESP | 221 | 50 | 442 | 100 | SKIN |
| VLEP | FRA | 221 | 50 | 442 | 100 | SKIN |
| VLEP | ITA | 221 | 50 | 442 | 100 | SKIN |
| TGG | NLD | 210 | | 442 | | SKIN |
| VLE | PRT | 221 | 50 | 442 | 100 | SKIN |
| WEL | GBR | 220 | 50 | 441 | 100 | SKIN |
| OEL | EU | 221 | 50 | 442 | 100 | SKIN |
| TLV-ACGIH | | 434 | 100 | 651 | 150 | |

Hydrocarbons, C9, aromatics

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| OEL | EU | 100 | 19 | | | |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | | Effects on workers | | | |
|-------------------|----------------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | VND | 11 mg/kg | | | | |
| Inhalation | | | VND | 32 mg/m3 | | | VND | 150 mg/m3 |
| Skin | | | VND | 11 mg/kg | | | VND | 25 mg/kg |

PHOSPHORIC ACID

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 2 | | 4 (C) | | INHAL |
| MAK | DEU | 2 | | 4 | | INHAL |
| VLA | ESP | 1 | | 2 | | |
| VLEP | FRA | 1 | 0,2 | 2 | 0,5 | |
| VLEP | ITA | 1 | | 2 | | |
| TGG | NLD | 1 | | 2 | | |
| VLE | PRT | 1 | | 2 | | |
| WEL | GBR | 1 | | 2 | | |

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| | | | |
|-----------|----|---|---|
| OEL | EU | 1 | 2 |
| TLV-ACGIH | | 1 | 3 |

ETHYLBENZENE**Threshold Limit Value**

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 88 | 20 | 176 | 40 | SKIN |
| MAK | DEU | 88 | 20 | 176 | 40 | SKIN |
| VLA | ESP | 441 | 100 | 884 | 200 | SKIN |
| VLEP | FRA | 88,4 | 20 | 442 | 100 | SKIN |
| VLEP | ITA | 442 | 100 | 884 | 200 | SKIN |
| TGG | NLD | 215 | | 430 | | SKIN |
| VLE | PRT | 442 | 100 | 884 | 200 | SKIN |
| WEL | GBR | 441 | 100 | 552 | 125 | SKIN |
| OEL | EU | 442 | 100 | 884 | 200 | SKIN |
| TLV-ACGIH | | 87 | 20 | | | |

PHENOL**Threshold Limit Value**

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 8 | 2 | 16 | 4 | SKIN 11 |
| VLA | ESP | 8 | 2 | 16 | 4 | SKIN |
| VLEP | FRA | 7,8 | 2 | 15,6 | 4 | SKIN |
| VLEP | ITA | 8 | 2 | 16 | 4 | SKIN |
| TGG | NLD | 8 | | | | SKIN |
| VLE | PRT | 8 | 2 | 16 | 4 | SKIN |
| WEL | GBR | 7,8 | 2 | 16 | 4 | SKIN |
| OEL | EU | 8 | 2 | 16 | 4 | SKIN |
| TLV-ACGIH | | 19,2 | 5 | | | SKIN |

FORMALDEHYDE**Threshold Limit Value**

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 0,37 | 0,3 | 0,74 | 0,6 | |
| VLA | ESP | 0,37 | 0,3 | 0,74 | 0,6 | |



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| | | | | | |
|-----------|-----|------|-----|------|-----|
| VLEP | FRA | 0,37 | 0,3 | 0,74 | 0,6 |
| VLEP | ITA | 0,37 | 0,3 | 0,74 | 0,6 |
| TGG | NLD | 0,15 | | 0,5 | |
| VLE | PRT | 0,37 | 0,3 | 0,74 | 0,6 |
| WEL | GBR | 2,5 | 2 | 2,5 | 2 |
| OEL | EU | 0,37 | 0,3 | 0,74 | 0,6 |
| TLV-ACGIH | | | 0,1 | | 0,3 |

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

Exposure levels must be kept as low as possible to avoid significant build-up in the organism. Manage personal protective equipment so as to guarantee maximum protection (e.g. reduction in replacement times).

HAND PROTECTION

None required.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a type AX filter combined with a type P filter should be worn (see standard EN 14387).

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.



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SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Properties | Value | Information |
|--|----------------|-------------|
| Appearance | aerosol | |
| Colour | grey | |
| Odour | Not available | |
| Melting point / freezing point | Not available | |
| Initial boiling point | Not applicable | |
| Flammability | Not available | |
| Lower explosive limit | Not available | |
| Upper explosive limit | Not available | |
| Flash point | Not applicable | |
| Auto-ignition temperature | Not available | |
| pH | Not available | |
| Kinematic viscosity | Not available | |
| Solubility | Not available | |
| Partition coefficient: n-octanol/water | Not available | |
| Vapour pressure | Not available | |
| Density and/or relative density | 0,8 | |
| Relative vapour density | Not available | |
| Particle characteristics | Not applicable | |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

| | |
|------------------------------|--------------------------|
| VOC (Directive 2004/42/EC) : | 85,70 % - 685,61 g/litre |
| VOC (volatile carbon) | 81,72 % - 653,74 g/litre |

SECTION 10. Stability and reactivity

10.1. Reactivity



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There are no particular risks of reaction with other substances in normal conditions of use.

TOLUENE

Avoid exposure to: light.

2-BUTOXYETHANOL

Decomposes under the effect of heat.

ACETONE

Decomposes under the effect of heat.

METHYL ETHYL KETONE

Reacts with: light metals, strong oxidants. Attacks various types of plastic materials. Decomposes under the effect of heat.

N-BUTYL ACETATE

Decomposes on contact with: water.

ISOBUTYL ACETATE

Decomposes under the effect of heat. Attacks various types of plastic materials.

ETHYL ACETATE

Decomposes slowly into acetic acid and ethanol under the effect of light, air and water.

1-METHOXY-2-PROPANOL

Dissolves various plastic materials. Stable in normal conditions of use and storage.

Absorbs and dissolves in water and in organic solvents. With air it may slowly form explosive peroxides.

PHOSPHORIC ACID

Decomposes at temperatures above 200°C/392°F.

FORMALDEHYDE

Decomposes under the effect of heat.

Aqueous solutions are stabilised with methanol but tend to polymerise over time.



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10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

TOLUENE

Risk of explosion on contact with: fuming sulphuric acid, nitric acid, silver perchlorate, nitrogen dioxide, non-metal halogenates, acetic acid, organic nitrocompounds. May form explosive mixtures with: air. May react dangerously with: strong oxidising agents, strong acids, sulphur.

2-BUTOXYETHANOL

May react dangerously with: aluminium, oxidising agents. Forms peroxides with: air.

ACETONE

Risk of explosion on contact with: bromine trifluoride, fluorine dioxide, hydrogen peroxide, nitrosyl chloride, 2-methyl-1,3 butadiene, nitromethane, nitrosyl perchlorate. May react dangerously with: potassium tert-butoxide, alkaline hydroxides, bromine, bromoform, isoprene, sodium, sulphur dioxide, chromium trioxide, chromyl chloride, nitric acid, chloroform, peroxymonosulphuric acid, phosphoryl oxychloride, chromosulphuric acid, fluorine, strong oxidising agents, strong reducing agents. Develops flammable gas on contact with: nitrosyl perchlorate.

METHYL ETHYL KETONE

May form peroxides with: air, light, strong oxidising agents. Risk of explosion on contact with: hydrogen peroxide, nitric acid, sulphuric acid. May react dangerously with: oxidising agents, trichloromethane, alkalis. Forms explosive mixtures with: air.

N-BUTYL ACETATE

Risk of explosion on contact with: strong oxidising agents. May react dangerously with: alkaline hydroxides, potassium tert-butoxide. Forms explosive mixtures with: air.

ISOBUTYL ACETATE

Risk of explosion on contact with: strong oxidising agents. May react violently with: alkaline hydroxides, potassium tert-butoxide. Forms explosive mixtures with: air.

ETHYL ACETATE

Risk of explosion on contact with: alkaline metals, hydrides, oleum. May react violently with: fluorine, strong oxidising agents, chlorosulphuric acid, potassium tert-butoxide. Forms explosive mixtures with: air.

1-METHOXY-2-PROPANOL

May react dangerously with: strong oxidising agents, strong acids.



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XYLENE (MIXTURE OF ISOMERS)

Stable in normal conditions of use and storage. Reacts violently with: strong oxidants, strong acids, nitric acid, perchlorates. May form explosive mixtures with: air.

PHOSPHORIC ACID

Risk of explosion on contact with: nitromethane. May react dangerously with: alkalis, sodium borohydride.

ETHYLBENZENE

Reacts violently with: strong oxidants. Attacks various types of plastic materials. May form explosive mixtures with: air.

FORMALDEHYDE

Risk of explosion on contact with: nitromethane, nitrogen dioxide, hydrogen peroxide, phenoles, performic acid, nitric acid. May polymerise on contact with: strong oxidising agents, alkalis. May react dangerously with: hydrochloric acid, magnesium carbonate, sodium hydroxide, perchloric acid, aniline. Forms explosive mixtures with: air.

10.4. Conditions to avoid

Avoid overheating.

2-BUTOXYETHANOL

Avoid exposure to: sources of heat, naked flames.

ACETONE

Avoid exposure to: sources of heat, naked flames.

METHYL ETHYL KETONE

Avoid exposure to: sources of heat.

N-BUTYL ACETATE

Avoid exposure to: moisture, sources of heat, naked flames.

ISOBUTYL ACETATE

Avoid exposure to: sources of heat, naked flames.

ETHYL ACETATE

Avoid exposure to: light, sources of heat, naked flames.

1-METHOXY-2-PROPANOL



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Avoid exposure to: air.

FORMALDEHYDE

Avoid exposure to: light, sources of heat, naked flames.

10.5. Incompatible materials

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

ACETONE

Incompatible with: acids, oxidising substances.

METHYL ETHYL KETONE

Incompatible with: strong oxidants, inorganic acids, ammonia, copper, chloroform.

N-BUTYL ACETATE

Incompatible with: water, nitrates, strong oxidants, acids, alkalis, zinc.

ISOBUTYL ACETATE

Incompatible with: strong oxidants, nitrates, strong acids, strong bases.

ETHYL ACETATE

Incompatible with: acids, bases, strong oxidants, aluminium, nitrates, chlorosulphuric acid. Incompatible materials: plastic materials.

1-METHOXY-2-PROPANOL

Incompatible with: oxidising substances, strong acids, alkaline metals.

PHOSPHORIC ACID

Incompatible with: metals, strong alkalis, aldehydes, organic sulphides, peroxides.

FORMALDEHYDE

Incompatible with: acids, alkalis, ammonia, tannin, strong oxidants, phenols, copper salts, silver, iron.

10.6. Hazardous decomposition products

2-BUTOXYETHANOL

May develop: hydrogen.



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ACETONE

May develop: ketenes,irritant substances.

PHOSPHORIC ACID

May develop: phosphoryl oxides.

ETHYLBENZENE

May develop: methane,styrene,hydrogen,ethane.

FORMALDEHYDE

When heated to decomposition releases: methanol,carbon monoxide.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

TOLUENE

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; inhalation of ambient air; contact with the skin of products containing the substance.

N-BUTYL ACETATE



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WORKERS: inhalation; contact with the skin.

1-METHOXY-2-PROPANOL

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; inhalation of ambient air; contact with the skin of products containing the substance.

XYLENE (MIXTURE OF ISOMERS)

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; inhalation of ambient air.

ETHYLBENZENE

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; contact with the skin of products containing the substance.

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

TOLUENE

Toxic effect on the central and peripheral nervous system with encephalopathy and polyneuritis; irritating for the skin, conjunctiva, cornea and respiratory apparatus.

N-BUTYL ACETATE

In humans, the substance's vapours cause irritation of the eyes and nose. In the event of repeated exposure, skin irritation, dermatitis (dryness and cracking of the skin) and keratitis appear.

1-METHOXY-2-PROPANOL

The main route of entry is the skin, whereas the respiratory route is less important due to the low vapour pressure of the product. Above 100 ppm causes irritation of the eye, nose and oropharynx mucous membranes. At 1000 ppm, disturbance of equilibrium and severe eye irritation can be noticed. Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and eye irritation with direct contact. No chronic effects on humans have been reported.

XYLENE (MIXTURE OF ISOMERS)

Toxic effect on the central nervous system (encephalopathy); irritating for the skin, conjunctiva, cornea and respiratory apparatus.

ETHYLBENZENE

As the counterparts of benzene, may have an acute effect on the central nervous system, with depression, narcosis, often preceded by dizziness and associated with headache (Ispesl). Is irritating for skin, conjunctiva and respiratory tract.

Interactive effects



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TOLUENE

Certain drugs and other industrial products can interfere with the metabolism of the toluene.

N-BUTYL ACETATE

A case of acute intoxication been reported involving a 33 year old worker while cleaning a tank with a preparation containing xylenes, butyl acetate and ethylene glycol acetate. The person had irritation of the conjunctiva and upper respiratory tract, drowsiness and motor coordination disorders, which disappeared within 5 hours. The symptoms are attributed to poisoning by mixed xylenes and butyl acetate, with a possible synergistic effect responsible for the neurological effects. Cases of vacuolar keratitis are reported in workers exposed to a mixture of butyl acetate and isobutanol vapours, but with uncertainty concerning the responsibility of a particular solvent (INRC, 2011).

XYLENE (MIXTURE OF ISOMERS)

Intake of alcohol interferes with the metabolism of the substance, inhibiting it. Ethanol consumption (0.8 g/kg) before a 4-hour exposure to xylene vapours (145 and 280 ppm) causes a 50% reduction in the excretion of methyl hippuric acid, whereas the concentration of xylenes in the blood increases approx. 1.5-2 times. At the same time there is an increase in the secondary side effects of the ethanol. The metabolism of the xylenes is increased by phenobarbital and 3-methyl-colantrene type enzyme inducers. Aspirin and xylenes mutually inhibit their conjugation with the glycine, which results in a decrease in urinary excretion of methyl hippuric acid. Other industrial products can interfere with the metabolism of xylenes.

ACUTE TOXICITY

| | |
|--|-------------|
| ATE (Inhalation - mists / powders) of the mixture: | > 5 mg/l |
| ATE (Oral) of the mixture: | >2000 mg/kg |
| ATE (Dermal) of the mixture: | >2000 mg/kg |

Dimethyl ether

| | |
|----------------------------------|-------------------|
| LC50 (Inhalation mists/powders): | 380,5 mg/l/4h rat |
|----------------------------------|-------------------|

TOLUENE

| | |
|----------------------------|--------------------|
| LD50 (Oral): | 5580 mg/kg Rat |
| LD50 (Dermal): | 12124 mg/kg Rabbit |
| LC50 (Inhalation vapours): | 28,1 mg/l/4h Rat |

ISOBUTYL ALCOHOL

| | |
|----------------------------|-------------------|
| LD50 (Oral): | 2460 mg/kg Rat |
| LD50 (Dermal): | 2460 mg/kg Rabbit |
| LC50 (Inhalation vapours): | 19,2 mg/l/4h Rat |

PROPAN-2-OL

| | |
|--------------|----------------|
| LD50 (Oral): | 4710 mg/kg Rat |
|--------------|----------------|



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LD50 (Dermal): 12800 mg/kg Rat
LC50 (Inhalation vapours): 72,6 mg/l/4h Rat

TITANIUM DIOXIDE [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]

LD50 (Oral): > 10000 mg/kg Rat

TRIZINC BIS (ORTHOPHOSPHATE)

LD50 (Oral): > 5000 mg/kg Rat - Wistar
LC50 (Inhalation mists/powders): > 5,7 mg/l Rat

2-BUTOXYETHANOL

LD50 (Oral): 1200 mg/kg Guinea pig
LC50 (Inhalation vapours): 2,2 mg/l/4h Rat
STA (Inhalation vapours): 11 mg/l estimate from table 3.1.2 of Annex I of the CLP
(figure used for calculation of the acute toxicity estimate of the mixture)

ACETONE

LD50 (Oral): 5800 mg/kg
LD50 (Dermal): > 20 mg/kg
LC50 (Inhalation vapours): 21,09 ppm/4h

METHYL ETHYL KETONE

LD50 (Oral): 2737 mg/kg Rat
LD50 (Dermal): 6480 mg/kg Rabbit
LC50 (Inhalation vapours): 23,5 mg/l/8h Rat

N-BUTYL ACETATE

LD50 (Oral): > 6400 mg/kg Rat
LD50 (Dermal): > 5000 mg/kg Rabbit
LC50 (Inhalation vapours): 21,1 mg/l/4h Rat

REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN) (MW 700-1100)

LD50 (Oral): > 2000 mg/kg Ratto
LD50 (Dermal): > 2000 mg/kg coniglio



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LC50 (Inhalation vapours): > 4000 ppm Ratto

ETHYL ACETATE

LD50 (Oral): 4934 mg/kg
LD50 (Dermal): 20000 mg/kg

1-METHOXY-2-PROPANOL

LD50 (Oral): 5300 mg/kg Rat
LD50 (Dermal): 13000 mg/kg Rabbit
LC50 (Inhalation vapours): 54,6 mg/l/4h Rat

XYLENE (MIXTURE OF ISOMERS)

LD50 (Oral): 3523 mg/kg Rat
LD50 (Dermal): 4350 mg/kg Rabbit
STA (Dermal): 1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP
(figure used for calculation of the acute toxicity estimate of the mixture)
LC50 (Inhalation vapours): 29 mg/l/4h Rat
STA (Inhalation vapours): 11 mg/l estimate from table 3.1.2 of Annex I of the CLP
(figure used for calculation of the acute toxicity estimate of the mixture)

Hydrocarbons, C9, aromatics

LD50 (Oral): 3592 mg/kg
LD50 (Dermal): > 3160 mg/kg coniglio
LC50 (Inhalation vapours): > 6193 mg/m³ ratto

PHOSPHORIC ACID

LD50 (Oral): 1530 mg/kg Rat
LD50 (Dermal): 2740 mg/kg Rabbit
LC50 (Inhalation mists/powders): > 0,85 mg/l/1h Rat

ETHYLBENZENE

LD50 (Oral): 3500 mg/kg Rat
LD50 (Dermal): 15354 mg/kg Rabbit
LC50 (Inhalation vapours): 17,2 mg/l/4h Rat

PHENOL



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LD50 (Oral): 282 mg/kg Rat
LD50 (Dermal): 660 mg/kg Rat

FORMALDEHYDE

LD50 (Oral): 100 mg/kg Rat
LD50 (Dermal): 270 mg/kg Rabbit
LC50 (Inhalation vapours): 0,588 mg/l/4h Rat

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

Respiratory sensitization

Information not available

Skin sensitization

Information not available

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class



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CARCINOGENICITY

Does not meet the classification criteria for this hazard class

TOLUENE

Classified in Group 3 (not classifiable as a human carcinogen) by the International Agency for Research on Cancer (IARC) - (IARC, 1999).
The US Environmental Protection Agency (EPA) affirms that "the data is inadequate for an assessment of the carcinogenic potential".

TITANIUM DIOXIDE [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]

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 $\leq 10 \mu\text{m}$.

XYLENE (MIXTURE OF ISOMERS)

Classified in Group 3 (not classifiable as a human carcinogen) by the International Agency for Research on Cancer (IARC).
The US Environmental Protection Agency (EPA) affirms that "the data is inadequate for an assessment of the carcinogenic potential".

ETHYLBENZENE

Classified in Group 2B (possible human carcinogen) by the International Agency for Research on Cancer (IARC) - (IARC, 2000).
Classified in Group D (not classifiable as a human carcinogen) by the US Environmental Protection Agency (EPA) - (US EPA file on-line 2014).

REPRODUCTIVE TOXICITY

Suspected of damaging the unborn child

Adverse effects on sexual function and fertility

Information not available

Adverse effects on development of the offspring

Information not available



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Effects on or via lactation

Information not available

STOT - SINGLE EXPOSURE

May cause respiratory irritation

May cause drowsiness or dizziness

Target organs

Information not available

Route of exposure

Information not available

STOT - REPEATED EXPOSURE

May cause damage to organs

Target organs

Information not available

Route of exposure

Information not available



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ASPIRATION HAZARD

Excluded because the aerosol does not allow the accumulation of a significant amount of product in the mouth

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on aquatic environment.

12.1. Toxicity

Hydrocarbons, C9, aromatics
Idrocarburi, C9, aromatici: ErC50 (72h) 2,9 mg/l (Alga)
NOEC 1 mg/l (Alga).

| | |
|-----------------------------------|----------------------|
| Hydrocarbons, C9, aromatics | |
| LC50 - for Fish | 9,2 mg/l/96h Pesce |
| EC50 - for Crustacea | 3,2 mg/l/48h Daphnia |
| EC50 - for Algae / Aquatic Plants | 2,9 mg/l/72h |

| | |
|----------------------|--|
| Dimethyl ether | |
| LC50 - for Fish | > 4000 mg/l/96h Fish (poecilia reticulata) |
| EC50 - for Crustacea | > 4000 mg/l/48h Crustacea (Daphnia magna) |

| | |
|-----------------------------------|---------------|
| ISOBUTYL ALCOHOL | |
| LC50 - for Fish | 1430 mg/l/96h |
| EC50 - for Crustacea | 1100 mg/l/48h |
| EC50 - for Algae / Aquatic Plants | 1799 mg/l/72h |

| | |
|-----------------------------------|---------------|
| TOLUENE | |
| LC50 - for Fish | 5,5 mg/l/96h |
| EC50 - for Crustacea | 3,78 mg/l/48h |
| EC50 - for Algae / Aquatic Plants | 134 mg/l/72h |
| Chronic NOEC for Crustacea | 0,74 mg/l |

| | |
|----------------------|-----------------------------------|
| 2-BUTOXYETHANOL | |
| LC50 - for Fish | 1490 mg/l/96h Lepomis macrochirus |
| EC50 - for Crustacea | 1001 mg/l/48h Daphnia magna |



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PROPAN-2-OL

LC50 - for Fish > 1000 mg/l/96h
EC50 - for Crustacea > 1000 mg/l/48h

ACETONE

LC50 - for Fish 4144 mg/l/96h Pesce
EC50 - for Crustacea 1680 mg/l/48h Daphnia
EC50 - for Algae / Aquatic Plants 302 mg/l/72h Alga

ETHYL ACETATE

LC50 - for Fish 230 mg/l/96h
EC50 - for Crustacea 560 mg/l/48h
EC50 - for Algae / Aquatic Plants 2500 mg/l/72h
Chronic NOEC for Crustacea 24 mg/l

TRIZINC BIS (ORTHOPHOSPHATE)

LC50 - for Fish 0,78 mg/l/96h Pimephales promelas
EC50 - for Crustacea 0,86 mg/l/48h Daphnia magna

12.2. Persistence and degradability

Hydrocarbons, C9, aromatics
Rapidly degradable

PHOSPHORIC ACID

Solubility in water > 850000 mg/l
Degradability: information not available

XYLENE (MIXTURE OF ISOMERS)

Solubility in water 100 - 1000 mg/l
Rapidly degradable

TITANIUM DIOXIDE [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]

Solubility in water < 0,001 mg/l
Degradability: information not available



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| | |
|----------------------|-------------------|
| ISOBUTYL ALCOHOL | |
| Solubility in water | 1000 - 10000 mg/l |
| Rapidly degradable | |
| TOLUENE | |
| Solubility in water | 100 - 1000 mg/l |
| Rapidly degradable | |
| ETHYLBENZENE | |
| Solubility in water | 1000 - 10000 mg/l |
| Rapidly degradable | |
| 2-BUTOXYETHANOL | |
| Solubility in water | 1000 - 10000 mg/l |
| Rapidly degradable | |
| 90% | |
| 1-METHOXY-2-PROPANOL | |
| Solubility in water | 1000 - 10000 mg/l |
| Rapidly degradable | |
| PROPAN-2-OL | |
| Rapidly degradable | |
| FORMALDEHYDE | |
| Solubility in water | 55000 mg/l |
| Rapidly degradable | |
| ACETONE | |
| Rapidly degradable | |
| METHYL ETHYL KETONE | |
| Solubility in water | > 10000 mg/l |
| Rapidly degradable | |
| ETHYL ACETATE | |
| Solubility in water | > 10000 mg/l |
| Rapidly degradable | |
| N-BUTYL ACETATE | |
| Solubility in water | 1000 - 10000 mg/l |
| Rapidly degradable | |
| ISOBUTYL ACETATE | |



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Solubility in water 1000 - 10000 mg/l
Rapidly degradable

TRIZINC BIS (ORTHOPHOSPHATE)
Solubility in water 2,7 mg/l
Degradability: information not available

PHENOL
Rapidly degradable

12.3. Bioaccumulative potential

Hydrocarbons, C9, aromatics
Partition coefficient: n-octanol/water 4,5

XYLENE (MIXTURE OF ISOMERS)
Partition coefficient: n-octanol/water 3,12
BCF 25,9

ISOBUTYL ALCOHOL
Partition coefficient: n-octanol/water 1

TOLUENE
Partition coefficient: n-octanol/water 2,73
BCF 90

ETHYLBENZENE
Partition coefficient: n-octanol/water 3,6

2-BUTOXYETHANOL
Partition coefficient: n-octanol/water 0,81
BCF 2,5

1-METHOXY-2-PROPANOL
Partition coefficient: n-octanol/water < 1

PROPAN-2-OL
Partition coefficient: n-octanol/water 0,05

FORMALDEHYDE



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Partition coefficient: n-octanol/water 0,35
BCF < 1

ACETONE

Partition coefficient: n-octanol/water -0,23
BCF 3

METHYL ETHYL KETONE

Partition coefficient: n-octanol/water 0,3

ETHYL ACETATE

Partition coefficient: n-octanol/water 0,68
BCF 30

N-BUTYL ACETATE

Partition coefficient: n-octanol/water 2,3
BCF 15,3

ISOBUTYL ACETATE

Partition coefficient: n-octanol/water 2,3
BCF 15,3

PHENOL

Partition coefficient: n-octanol/water 1,47

12.4. Mobility in soil

XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: soil/water 2,73

ISOBUTYL ALCOHOL

Partition coefficient: soil/water 0,31

FORMALDEHYDE

Partition coefficient: soil/water 1,202

N-BUTYL ACETATE

Partition coefficient: soil/water < 3

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.



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12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG, 1950
IATA:

14.2. UN proper shipping name

ADR / RID: AEROSOLS
IMDG: AEROSOLS (trizinc bis(orthophosphate))
IATA: AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR / RID: Class: 2 Label: 2.1



IMDG: Class: 2 Label: 2.1





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IATA: Class: 2 Label: 2.1



14.4. Packing group

ADR / RID, IMDG, IATA: -

14.5. Environmental hazards

ADR / RID: Environmentally Hazardous



IMDG: Marine Pollutant



IATA: NO

For Air transport, environmentally hazardous mark is only mandatory for UN 3077 and UN 3082.

14.6. Special precautions for user

| | | | |
|------------|----------------------|--------------------------|------------------------------|
| ADR / RID: | HIN - Kemler: -- | Limited Quantities: 1 L | Tunnel restriction code: (D) |
| | Special provision: - | | |
| IMDG: | EMS: F-D, S-U | Limited Quantities: 1 L | |
| IATA: | Cargo: | Maximum quantity: 150 Kg | Packaging instructions: 203 |
| | Pass.: | Maximum quantity: 75 Kg | Packaging instructions: 203 |
| | Special provision: | A145, A167, A802 | |

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: P3a-E2



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Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 40

Contained substance

Point 75

Point 72 FORMALDEHYDE

Point 48 TOLUENE REACH
Reg.:
01-2119471310-51

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

Regulated explosives precursor

The acquisition, introduction, possession or use of that regulated explosives precursor by members of the general public is subject to reporting obligations as set out in Article 9.

All suspicious transactions and significant disappearances and thefts must be reported to the relevant national contact point.

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

VOC (Directive 2004/42/EC) :



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Special finishes.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

| | |
|--------------------------|--|
| Flam. Gas 1A | Flammable gas, category 1A |
| Aerosol 1 | Aerosol, category 1 |
| Aerosol 3 | Aerosol, category 3 |
| Flam. Liq. 2 | Flammable liquid, category 2 |
| Press. Gas | Pressurised gas |
| Carc. 1B | Carcinogenicity, category 1B |
| Muta. 2 | Germ cell mutagenicity, category 2 |
| Repr. 2 | Reproductive toxicity, category 2 |
| Acute Tox. 2 | Acute toxicity, category 2 |
| Acute Tox. 3 | Acute toxicity, category 3 |
| Asp. Tox. 1 | Aspiration hazard, category 1 |
| STOT RE 2 | Specific target organ toxicity - repeated exposure, category 2 |
| Skin Corr. 1B | Skin corrosion, category 1B |
| Eye Dam. 1 | Serious eye damage, category 1 |
| Skin Irrit. 2 | Skin irritation, category 2 |
| STOT SE 3 | Specific target organ toxicity - single exposure, category 3 |
| Skin Sens. 1 | Skin sensitization, category 1 |
| Aquatic Acute 1 | Hazardous to the aquatic environment, acute toxicity, category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment, chronic toxicity, category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment, chronic toxicity, category 2 |
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: may burst if heated. |
| H225 | Highly flammable liquid and vapour. |
| H280 | Contains gas under pressure; may burst if heated. |
| H350 | May cause cancer. |
| H341 | Suspected of causing genetic defects. |
| H361d | Suspected of damaging the unborn child. |
| H330 | Fatal if inhaled. |



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| | |
|--------|--|
| H301 | Toxic if swallowed. |
| H311 | Toxic in contact with skin. |
| H304 | May be fatal if swallowed and enters airways. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H315 | Causes skin irritation. |
| H335 | May cause respiratory irritation. |
| H317 | May cause an allergic skin reaction. |
| 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. |
| EUH211 | Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. |

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament



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3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
 4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 13. Regulation (EU) 2017/776 (X Atp. CLP)
 14. Regulation (EU) 2018/669 (XI Atp. CLP)
 15. Regulation (EU) 2019/521 (XII Atp. CLP)
 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
 17. Regulation (EU) 2019/1148
 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA website
 - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:

The following sections were modified:

02 / 03 / 08 / 09 / 11 / 12 / 15 / 16.