

# **D1010U - UNIVERSAL PU THINNER**

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# Safety data sheet

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

1.1. Product identifier

Code: D1010U

Product name UNIVERSAL PU THINNER

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

Intended use Thinner

Identified Uses Industrial Professional Consumer

Pertinent description of use:

1.3. Details of the supplier of the safety data sheet

Name INDUSTRIA CHIMICA ADRIATICA S.P.A.

Full address Via S. Pertini, 52

District and Country 62012 Civitanova Marche (MC)

ITALY

Tel. +39 0733 8080 Fax +39 0733 808140

e-mail address of the competent person

responsible for the Safety Data Sheet icalab1@icaspa.com

Product distribution by: INDUSTRIA CHIMICA ADRIATICA S.p.A.

1.4. Emergency telephone number

For urgent inquiries refer to Anti-poison centre - Hospital of Florence (24/24 hours)

Telephone +39 055 794 7819

# **SECTION 2. Hazards identification**

### 2.1. Classification of the substance or mixture

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 EC Regulation 1907/2006 and subsequent amendments.

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:

Flammable liquid, category 2

Eye irritation, category 2

Specific target organ toxicity - single exposure, category

H225

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

3

### 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:

H225Highly flammable liquid and vapour.H319Causes serious eye irritation.H336May cause drowsiness or dizziness.





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SECTION 2. Hazards identification .../>>

**EUH066** Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

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

P233 Keep container tightly closed.

P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P280 Wear protective gloves / eye protection / face protection.
P312 Call a POISON CENTRE / doctor / . . . if you feel unwell.
P370+P378 In case of fire: use chemical powder to extinguish.

Contains: n-butyl acetate

Ethyl acetate

#### 2.3 Other hazards

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

## **SECTION 3. Composition/information on ingredients**

#### 3.1. Substances

Information not relevant

#### 3.2. Mixtures

Contains:

Identification x = Conc. % Classification 1272/2008 (CLP)

n-butyl acetate

CAS 123-86-4 82 ≤ x < 86 Flam. Liq. 3 H226, STOT SE 3 H336, EUH066

EC 204-658-1 INDEX 607-025-00-1

Doc no 01 2110495402 20

Reg. no. 01-2119485493-29-0007

Ethyl acetate

CAS 141-78-6 10 ≤ x < 11,5 Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066

EC 205-500-4 INDEX 607-022-00-5

Reg. no. 01-2119475103-46-0004

1-methoxy-2-propanol acetate

CAS 108-65-6  $5 \le x < 6$  Flam. Liq. 3 H226

EC 203-603-9 INDEX 607-195-00-7 Reg. no. 01-2119475791-29

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

# **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 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

## 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



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Information not available

# **SECTION 5. Firefighting measures**

### 5.1. Extinguishing media

#### SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

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

#### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. 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. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

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

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

Send away individuals who are not suitably equipped. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

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

Collect the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point

## 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

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. 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. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

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## SECTION 7. Handling and storage .../>>

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

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

Storage class TRGS 510 (Germany):

3

### 7.3. Specific end use(s)

Information not available

# **SECTION 8. Exposure controls/personal protection**

#### 8.1. Control parameters

Regulatory References:

EU OEL EU Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC;

Directive 2000/39/EC; Directive 91/322/EEC.

|  |                |                      |      | n-but   | tyl acetate |               |          |         |          |
|--|----------------|----------------------|------|---------|-------------|---------------|----------|---------|----------|
| hreshold Limit Valu                    | е              |                      |      |         |             |               |          |         |          |
| Type C                                 | ountry T       | WA/8h                |      | STEL/15 | imin        |               |          |         |          |
|  | n              | ng/m3                | ppm  | mg/m3   | ppm         |               |          |         |          |
| OEL E                                  | U              |                      | 150  |         | 200         |               |          |         |          |
| redicted no-effect of                  | oncentratio    | n - PNEC             |      |         |             |               |          |         |          |
| Normal value in fre                    | sh water       |                      |      |         |             |               | 0,18     | mg/l    |          |
| Normal value in marine water           |                |                      |      |         |             |               | 0,018    | mg/l    |          |
| Normal value for fresh water sediment  |                |                      |      |         |             |               | 0,981    | mg/kg   |          |
| Normal value for marine water sediment |                |                      |      |         |             |               | 0,0981   | mg/kg   |          |
| Normal value of STP microorganisms     |                |                      |      |         |             |               | 35,6     | mg/l    |          |
| Normal value for the                   |                |                      |      |         |             |               | 0,0903   | mg/kg   |          |
| lealth - Derived no-                   | effect level - | DNEL / D             | MEL  |         |             |               |          |         |          |
|  | Effects        | Effects on consumers |      |         |             | Effects on wo | orkers   |         |          |
| Route of exposure                      | Acute          | Acut                 | te   | Chronic | Chronic     | Acute local   | Acute    | Chroni  | Chronic  |
|  | local          | syst                 | emic | local   | systemic    |               | systemic | c local | systemic |
| Oral                                   |                |                      |      | 3,4     | VND         |               |          |         |          |
|  |                |                      |      | mg/kg   |             |               |          |         |          |
| Inhalation                             | 859.7          | 859.                 | .7   | 102,34  | 102,34      | 960           | 960      | 480     | 480      |
|  | mg/m3          | mg/ı                 | m3   | mg/m3   | mg/m3       | mg/m3         | mg/m3    | mg/m3   | mg/m3    |
| Skin                                   |                |                      |      | VND     | 3,4         |               |          | VND     | 7        |
|  |                |                      |      |         | mg/kg       |               |          |         | mg/kg    |

|  |                         |           |          | Eth     | yl acetate |               |          |         |          |
|--|-------------------------|-----------|----------|---------|------------|---------------|----------|---------|----------|
| Threshold Limit Value                  | •                       |           |          |         |            |               |          |         |          |
| Type Co                                | ountry T                | WA/8h     |          | STEL/1  | 5min       |               |          |         |          |
|  | m                       | ıg/m3     | ppm      | mg/m3   | ppm        |               |          |         |          |
| OEL EU                                 | J                       |           | 400      |         |            |               |          |         |          |
| Predicted no-effect co                 | ncentration             | n - PNEC  |          |         |            |               |          |         |          |
| Normal value in fres                   | h water                 |           |          |         |            |               | 0,26     | mg/l    |          |
| Normal value in mar                    | ine water               |           |          |         |            |               | 0,026    | mg/l    |          |
| Normal value for fre                   | sh water sed            | diment    |          |         |            |               | 1,25     | mg/kg   |          |
| Normal value for marine water sediment |                         |           |          |         |            |               |          | mg/kg   |          |
| Normal value of STF                    | <sup>o</sup> microorgar | nisms     |          |         |            |               | 650      | mg/l    |          |
| Normal value for the                   | terrestrial c           | ompartme  | nt       |         |            |               | 0,24     | mg/kg   |          |
| Health - Derived no-ef                 | fect level -            | DNEL / DI | /IEL     |         |            |               |          |         |          |
| Effects on consumer                    |                         |           | ners     |         |            | Effects on we |          |         |          |
| Route of exposure                      | Acute                   | Acute     | <b>:</b> | Chronic | Chronic    | Acute local   | Acute    | Chroni  | Chronic  |
|  | local                   | syste     | mic      | local   | systemic   |               | systemic | c local | systemic |
| Oral                                   |                         |           |          | VND     | 4,5        |               |          |         |          |
|  |                         |           |          |         | mg/kg/d    |               |          |         |          |
| Inhalation                             | 734                     | 734       |          | 367     | 367        | 1468          | 1468     | 734     | 734      |
|  | mg/m3                   | mg/m      | 3        | mg/m3   | mg/m3      | mg/m3         | mg/m3    | mg/m3   | mg/m3    |
| Skin                                   |                         |           |          | VND     | 37         |               |          | VND     | 63       |
|  |                         |           |          |         | mg/kg      |               |          |         | mg/kg    |



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### SECTION 8. Exposure controls/personal protection .../

|  |             |                      |      | 1-methoxy-2- | propanol ace | tate          |          |         |          |
|--|-------------|----------------------|------|--------------|--------------|---------------|----------|---------|----------|
| hreshold Limit Val                           | ue          |                      |      |              |              |               |          |         |          |
| Type Cou                                     | Country     | TWA/8h               |      | STEL/15min   |              |               |          |         |          |
|  |             | mg/m3                | ppm  | mg/m3        | ppm          |               |          |         |          |
| OEL  | EU          | 275                  | 50   | 550          | 100          | SKIN          |          |         |          |
| redicted no-effect                           | concentrat  | ion - PNEC           |      |              |              |               |          |         |          |
| Normal value in fr                           | esh water   |                      |      |              |              |               | 0,635    | mg/l    |          |
| Normal value in marine water                 |             |                      |      |              |              | 0,0635        | mg/l     |         |          |
| Normal value for f                           | resh water  | sediment             |      |              |              |               | 3,29     | mg/kg   |          |
| Normal value for marine water sediment       |             |                      |      |              |              |               | 0,329    | mg/kg   |          |
| Normal value for the terrestrial compartment |             |                      |      |              |              | 0,29          | mg/kg    |         |          |
| ealth - Derived no-                          | effect leve | I - DNEL / D         | MEL  |              |              |               |          |         |          |
|  | Effect      | Effects on consumers |      |              |              | Effects on wo | orkers   |         |          |
| Route of exposure                            | e Acute     | e Acu                | te   | Chronic      | Chronic      | Acute local   | Acute    | Chroni  | Chronic  |
|  | local       | syst                 | emic | local        | systemic     |               | systemic | c local | systemic |
| Oral   |             |                      |      | VND          | 1,67         |               |          |         |          |
|  |             |                      |      |              | mg/kg        |               |          |         |          |
| Inhalation                                   |             |                      |      | VND          | 33           |               |          | VND     | 275      |
|  |             |                      |      |              | mg/m3        |               |          |         | mg/m3    |
| Skin   |             |                      |      | VND          | 54,8         |               |          | VND     | 153,5    |
|  |             |                      |      |              | mg/kg        |               |          |         | mg/kg    |

#### 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.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion. 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, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

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.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529. ENVIRONMENTAL EXPOSURE CONTROLS

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

# **SECTION 9. Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Appearance liquid
Colour transparent
Odour characteristic
Odour threshold Not available
pH Not available
Melting point / freezing point Not available



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## SECTION 9. Physical and chemical properties .../>>

Initial boiling point > 77 °C
Boiling range Not available

Flash point  $-4 \le T \le 23$  °C

Not available **Evaporation Rate** Flammability of solids and gases Not available Lower inflammability limit Not available Upper inflammability limit Not available Not available Lower explosive limit Upper explosive limit Not available Vapour pressure 15,24 mmHg Vapour density > 1,0000 Relative density 0,89

Solubility insoluble in water
Partition coefficient: n-octanol/water
Auto-ignition temperature Not available
Decomposition temperature Not available
Viscosity Not available
Explosive properties Not available

Oxidising properties

9.2. Other information

VOC (Directive 2010/75/EC): 100,00 % - 890,00 g/litre VOC (volatile carbon): 60,94 % - 542,37 g/litre

Not available

# **SECTION 10. Stability and reactivity**

#### 10.1. Reactivity

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

### 10.2. Chemical stability

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

## 10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

#### 10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

### 10.5. Incompatible materials

Information not available

### 10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

## **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 toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

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





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## SECTION 11. Toxicological information .../>>

Information not available

Interactive effects

Information not available

### ACUTE TOXICITY

LC50 (Inhalation - vapours) of the mixture: LC50 (Inhalation - mists / powders) of the mixture:

LD50 (Oral) of the mixture: LD50 (Dermal) of the mixture: Not classified (no significant component) Not classified (no significant component) Not classified (no significant component) Not classified (no significant component)

1-methoxy-2-propanol acetate

LD50 (Oral) LD50 (Dermal) LC50 (Inhalation)

Ethyl acetate LD50 (Oral) LD50 (Dermal) LC50 (Inhalation)

n-butyl acetate LD50 (Oral) LD50 (Dermal) LC50 (Inhalation) > 5000 mg/kg Rat > 5000 mg/kg Rabbit > 10,6 mg/l/6h Rat

4100 mg/kg Rat > 20000 mg/kg Rabbit > 22,5 mg/l/6h Rat

> 10000 mg/kg Rat > 14000 mg/kg Rabbit > 21,1 mg/l/4h Rat

### SKIN CORROSION / IRRITATION

Repeated exposure may cause skin dryness or cracking. Does not meet the classification criteria for this hazard class

### SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

#### RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

## GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

### CARCINOGENICITY

Does not meet the classification criteria for this hazard class

## REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

### STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

### ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class



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# **SECTION 12. Ecological information**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

#### 12.1. Toxicity

1-methoxy-2-propanol acetate

I C50 - for Fish

> 100 mg/l/96h Fish

Ethyl acetate

LC50 - for Fish EC50 - for Crustacea

Chronic NOEC for Algae / Aquatic Plants

230 mg/l/96h Fish 260 mg/l/48h Daphnia > 100 mg/l/72h Alga

n-butyl acetate

LC50 - for Fish EC50 - for Crustacea 18 mg/l/96h Fish 44 mg/l/48h Daphnia

EC50 - for Algae / Aquatic Plants

648 mg/l/72h Desmodesmus subspicatus

### 12.2. Persistence and degradability

Ethyl acetate

Rapidly biodegradable

n-butyl acetate

Rapidly biodegradable

### 12.3. Bioaccumulative potential

Information not available

### 12.4. Mobility in soil

Information not available

#### 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 greater than 0,1%.

#### 12.6. 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

ADR / RID, IMDG, IATA: 1263



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# SECTION 14. Transport information .../>>

### 14.2. UN proper shipping name

ADR / RID: PAINT or PAINT RELATED MATERIAL PAINT or PAINT RELATED MATERIAL IMDG: IATA: PAINT or PAINT RELATED MATERIAL

## 14.3. Transport hazard class(es)

ADR / RID:

Class: 3

Label: 3

IMDG:

Class: 3

Label: 3

IATA:

Class: 3

Label: 3



### 14.4. Packing group

ADR / RID, IMDG, IATA:

### 14.5. Environmental hazards

ADR / RID: NO IMDG: NO IATA: NO

### 14.6. Special precautions for user

ADR / RID:

HIN - Kemler: 33

Special Provision: 640D

EMS: F-E, S-E

IMDG: IATA:

Cargo: Pass.:

Limited Quantities: 5 L Maximum quantity: 60 L Maximum quantity: 5 L Special Instructions:

A3, A72, A192

Limited Quantities: 5 L

Tunnel restriction code: (D/E)

Packaging instructions: 364 Packaging instructions: 353

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

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/EC:

P5c

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

Product

Point

3 - 40

Substances in Candidate List (Art. 59 REACH)

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

Substances subject to authorisarion (Annex XIV REACH)

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None



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# SECTION 15. Regulatory information .../>>

### 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.

WGK 1: Low hazard to waters

#### 15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

## **SECTION 16. Other information**

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

Flam. Liq. 2 Flammable liquid, category 2 Flam. Liq. 3 Flammable liquid, category 3 Eye Irrit. 2 Eye irritation, category 2

STOT SE 3 Specific target organ toxicity - single exposure, category 3

H225
 Highly flammable liquid and vapour.
 H226
 Flammable liquid and vapour.
 H319
 Causes serious eye irritation.
 H336
 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

#### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 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 NUMBER: 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: EC Regulation 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 STEL: Short-term exposure limit
- TWA: Time-weighted average 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 (EU) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- 4. Regulation (EU) 2015/830 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



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### SECTION 16. Other information .../>>

- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 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.

Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 04 / 06 / 07 / 08 / 09 / 11 / 14 / 15.