

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 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

Product name

CARBON REMOVER

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

Intended use

Carbon residuals heavy duty solvent cleaner

1.3. Details of the supplier of the safety data sheet

Name

UNIservice UNISAFE Srl

Full address

Via al Santuario di N.S. Guardia 58 a

District and Country

16162 Genova Bolzaneto (GE)

Italia

Tel. + 39 010 711395

Fax + 39 010 713120

e-mail address of the competent person

responsible for the Safety Data Sheet

info@uniservicemarine.com

1.4. Emergency telephone number

For urgent inquiries refer to

First Aid Information: Osp. " Pediatrico Bambino Gesù" - Dip. Emergenza e Accettazione DEA - 00165 - Roma - Piazza Sant' Onofrio, 4 - PIC: Mr.: Marco Marano - Phone :06 68593726.

First Aid Information: Az. Osp. Univ. Foggia- Azienda Ospedaliera Universitaria riuniti, Foggia - V.le Luigi Pinto, 1- 71122 - PIC: Mrs.: Anna Lepre- phone.: 800183459.

First Aid Information:Az. Osp. "A. Cardarelli" -Servizio di Anestesia e rianimazione- Napoli, Via A. Cardarelli, 9- 80131- Phone: 081-5453333. PIC: Mr.: Romolo Villani.

First Aid Information: Policlinico "Umberto I" -PRGM tossicologia d'urgenza, Roma - V.le del Policlinico, 155, cap 161- phone. 06-49978000- PIC: Mrs.: M. Caterina Grassi.

First Aid Information: Policlinico "A. Gemelli", Servizio di tossicologia clinica, Roma, Largo Agostino Gemelli, 8- CAP: 168- phone: 06-3054343 - PIC: Mr.: Alessandro Barelli.

First Aid Information: Az. Osp. "Careggi" U.O. Tossicologia Medica- Firenze, via Largo Brambilla, 3- CAP: 50134 -Phone: 055-7947819 -PIC: Mr.: Francesco Gambassi.

First Aid Information: Centro Nazionale di Informazione Tossicologica-IRCCS Fondazione Salvatore Maugeri Clinica del lavoro e della riabilitazione - Pavia, Via Salvatore Maugeri, 10- CAP: 27100- Phone : 0382-24444 - PIC: Mr.: Carlo Locatelli.

First Aid Information: Osp. Niguarda Ca' Granda - Milano, Piazza Ospedale Maggiore,3- CAP :20162- Phone: 02-66101029- PIC: Mrs.: Franca Davanzo.

First Aid Information: Azienda Ospedaliera Papa Giovanni XXII - Bergamo- Piazza OMS, 1 - CAP: 24127 -Phone: 800883300- PIC: Mr.: Bacis Giuseppe.

First Aid Information:Azienda Ospedaliera Integrata Verona, CAP: 37126 - Piazzale Aristide Stefani, 1,CAP: 37126- Phone: 800011858- PIC: Mr.: Giorgio Ricci.

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

CARBON REMOVER

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:

| | | |
|--|------|--|
| Carcinogenicity, category 2 | H351 | Suspected of causing cancer. |
| Aspiration hazard, category 1 | H304 | May be fatal if swallowed and enters airways. |
| 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 | 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:

| | |
|---------------------------|--|
| H351 | Suspected of causing cancer. |
| H304 | May be fatal if swallowed and enters airways. |
| H318 | Causes serious eye damage. |
| H315 | Causes skin irritation. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |
| Precautionary statements: | |
| P331 | Do NOT induce vomiting. |
| 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. |
| P310 | Immediately call a POISON CENTER or a doctor. |
| P273 | Avoid release to the environment. |
| P391 | Collect spillage. |

Contains: AROMATIC HYDROCARBON C 10
DICHLOROMETHANE
ALCOHOLS, C11-13-RAMIFIED, ETHOXILATED (7-15 EO)

2.3. Other hazards

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

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

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

| Identification | x = Conc. % | Classification (EC) 1272/2008 (CLP) |
|---|-------------|--|
| DICHLOROMETHANE | | |
| INDEX 602-004-00-3 | 30 ≤ x < 50 | Carc. 2 H351, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H336 |
| EC 200-838-9 | | |
| CAS 75-09-2 | | |
| REACH Reg. 01-2119480404-41 | | |
| AROMATIC HYDROCARBON C 10 | | |
| INDEX - | 30 ≤ x < 50 | Carc. 2 H351, Asp. Tox. 1 H304, STOT SE 3 H336, Aquatic Chronic 2 H411, EUH066 |
| EC 919-284-0 | | |
| CAS 64742-94-5 | | |
| REACH Reg. 01-2119463588-24 | | |
| ALCOHOLS, C11-13-RAMIFIED, ETHOXILATED (7-15 EO) | | |
| INDEX | 5 ≤ x < 15 | Acute Tox. 4 H302, Eye Dam. 1 H318 |
| EC - | | LD50 Oral: 300 mg/kg |
| CAS 68439-54-3 | | |

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

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Take off contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

INHALATION: Remove victim to fresh air, away from the accident scene. In the event of respiratory symptoms (coughing, wheezing, breathing difficulty, asthma) keep the victim in a comfortable position for breathing. If necessary administer oxygen. If the subject stops breathing, administer artificial

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respiration. Get medical advice/attention.

Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

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

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

Immediately call a POISON CENTER or a doctor.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

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

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.

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. 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 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

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

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. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

| | | |
|-----|----------------|--|
| ESP | España | Límites de exposición profesional para agentes químicos en España 2023 |
| GBR | United Kingdom | EH40/2005 Workplace exposure limits (Fourth Edition 2020) |
| EU | OEL EU | Directive (EU) 2022/431; 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 2023 |

| DICHLOROMETHANE | | | | | | |
|-----------------------|---------|--------|-----|------------|-----|------------------------|
| Threshold Limit Value | | | | | | |
| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
| | | mg/m3 | ppm | mg/m3 | ppm | |
| VLA | ESP | 177 | 50 | | | |
| WEL | GBR | 350 | 100 | 1060 | 300 | SKIN |
| OEL | EU | 353 | 100 | 706 | 200 | SKIN |
| TLV-ACGIH | | 174 | 50 | | | |

| Predicted no-effect concentration - PNEC | | | | | | | | |
|--|----------------------|----------------|-----------------|------------------|--------------------|----------------|---------------|------------------|
| Normal value in fresh water | | 0,31 | | | mg/l | | | |
| Normal value in marine water | | 0,031 | | | mg/l | | | |
| Normal value for fresh water sediment | | 2,57 | | | mg/kg | | | |
| Normal value for marine water sediment | | 0,26 | | | mg/kg | | | |
| Normal value for water, intermittent release | | 0,27 | | | mg/l | | | |
| Normal value of STP microorganisms | | 26 | | | mg/l | | | |
| Normal value for the terrestrial compartment | | 0,33 | | | mg/kg | | | |
| Health - Derived no-effect level - DNEL / DMEL | | | | | | | | |
| | Effects on consumers | | | | Effects on workers | | | |
| Route of exposure | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | 353 | | 0,06 mg/kg bw/d | | | | | |
| Inhalation | 353 mg/m3 | | 88,3 mg/m3 | | 706 mg/m3 | | 353 mg/m3 | |
| Skin | | | 5,82 mg/kg bw/d | 12 | | | 12 mg/kg bw/d | |

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 ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

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.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability time.

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 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 ISO 16321).

RESPIRATORY PROTECTION

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. 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).

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.

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

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Properties | Value | Information |
|--|----------------------|-------------|
| Appearance | liquid | |
| Colour | straw-coloured | |
| Odour | aromatic solvent | |
| Melting point / freezing point | < -20 °C | |
| Initial boiling point | > 180 °C | |
| Flammability | not available | |
| Lower explosive limit | 0,6 % (v/v) | |
| Upper explosive limit | 8 % (v/v) | |
| Flash point | > 61 °C | |
| Auto-ignition temperature | 450 °C | |
| Decomposition temperature | not available | |
| pH | not available | |
| Kinematic viscosity | not available | |
| Dynamic viscosity | 10 mPa.s | |
| Solubility | emulsifying in water | |
| Partition coefficient: n-octanol/water | not available | |
| Vapour pressure | 0,04 kPa | |
| Density and/or relative density | 1,01 | |
| 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

Information not available

| | |
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SECTION 10. Stability and reactivity

10.1. Reactivity

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

DICHLOROMETHANE

Decomposes at temperatures above 120°C/248°F.

With water and alkalis it may form hydrochloric acid and attack aluminium, copper and alloys.

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.

DICHLOROMETHANE

Risk of explosion on contact with: alkaline metals,nitric acid,aluminium powder,ethanediamine,aluminium chloride,perchloric acid,dinitrogen pentoxide,sodium nitride,n-nitroso n-methylurea,potassium hydroxide.May react dangerously with: alkaline earth metals,metal powders,sodium amides,potassium tert-butyrate.May form explosive mixtures with: air.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

DICHLOROMETHANE

Avoid exposure to: naked flames,overheated surfaces.

10.5. Incompatible materials

DICHLOROMETHANE

Incompatible with: aluminium,magnesium,sodium,potassium,nitric acid,caustic substances,strong oxidants.

10.6. Hazardous decomposition products

DICHLOROMETHANE

May develop: dioxins,phosgenes,hydrochloric acid.

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.

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| <u>Metabolism, toxicokinetics, mechanism of action and other information</u> | | |
| Information not available | | |
| <u>Information on likely routes of exposure</u> | | |
| DICHLOROMETHANE WORKERS: inhalation; contact with the skin. POPULATION: ingestion of contaminated food or water; contact with the skin of products containing the substance. | | |
| <u>Delayed and immediate effects as well as chronic effects from short and long-term exposure</u> | | |
| DICHLOROMETHANE The acute toxic effect on humans causes cognitive disorders, if inhaled in large doses. At 200-500 ppm, nausea, vomiting, dizziness, paresthesia, fatigue and headache appear. Skin contact causes pain, which soon disappears without leaving any burns. Prolonged contact may cause chemical burns. Contact with the eyes causes superficial lesions of the cornea. Cases of dermatosis may ensue from repeated contact. | | |
| <u>Interactive effects</u> | | |
| Information not available | | |
| ACUTE TOXICITY ATE (Inhalation) of the mixture: | | Not classified (no significant component) |
| ATE (Oral) of the mixture: | | >2000 mg/kg |
| ATE (Dermal) of the mixture: | | Not classified (no significant component) |
| DICHLOROMETHANE | | |
| LD50 (Dermal): | | > 2000 mg/kg Rat |
| LD50 (Oral): | | > 2000 mg/kg Rat |
| LC50 (Inhalation vapours): | | 49000 mg/m3/7h Rat |
| AROMATIC HYDROCARBON C 10 | | |
| LD50 (Dermal): | | > 2000 mg/kg |
| LD50 (Oral): | | > 5000 mg/kg |
| LC50 (Inhalation vapours): | | > 4688 mg/l/4h <5 |
| ALCOHOLS, C11-13-RAMIFIED, ETHOXILATED (7-15 EO) | | |
| LD50 (Dermal): | | > 2000 mg/kg rabbit |
| LD50 (Oral): | | 300 mg/kg rat |
| <u>SKIN CORROSION / IRRITATION</u> | | |
| Causes skin irritation | | |
| <u>SERIOUS EYE DAMAGE / IRRITATION</u> | | |
| Causes serious eye damage | | |
| <u>RESPIRATORY OR SKIN SENSITISATION</u> | | |
| Does not meet the classification criteria for this hazard class | | |
| <u>GERM CELL MUTAGENICITY</u> | | |
| Does not meet the classification criteria for this hazard class | | |
| <u>CARCINOGENICITY</u> | | |

Suspected of causing cancer

DICHLOROMETHANE
Classified in Group 2A (probable human carcinogen) by the International Agency for Research on Cancer (IARC).
Classified as "probable carcinogen" by the US National Toxicology Program (NTP) - (US DHHS, 2014).

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

Toxic for aspiration

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 has negative effects on the aquatic environment.

12.1. Toxicity

| | |
|--|--|
| ALCOHOLS, C11-13-RAMIFIED, ETHOXILATED (7-15 EO) | |
| LC50 - for Fish | > 1 mg/l/96h cyprinus carpio (carp) |
| EC50 - for Crustacea | > 1 mg/l/48h Daphnia magna -dose efficace 1-10 mg/l |
| EC50 - for Algae / Aquatic Plants | > 1 mg/l/72h Desmodesmus subspicatus-dose efficace 1-10 mg/l |
| AROMATIC HYDROCARBON C 10 | |
| LC50 - for Fish | > 2 mg/l/96h |
| DICHLOROMETHANE | |
| LC50 - for Fish | 193 mg/l/96h Pimephales promelas |
| EC50 - for Crustacea | 27 mg/l/48h Daphnia magna |
| EC50 - for Algae / Aquatic Plants | 550 mg/l/8days Alga |

12.2. Persistence and degradability

| | |
|--|------------|
| ALCOHOLS, C11-13-RAMIFIED, ETHOXILATED (7-15 EO) | |
| Rapidly degradable | |
| DICHLOROMETHANE | |
| Solubility in water | 13200 mg/l |
| NOT rapidly degradable | |

12.3. Bioaccumulative potential

| | |
|--|------|
| DICHLOROMETHANE | |
| Partition coefficient: n-octanol/water | 1,25 |
| BCF | 2 |

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 ≥ than 0,1%.

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, IATA: | UN 3082 |
| ADR / RID: | In accordance with Special Provision 375, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to ADR provisions. |
| IMDG: | In accordance with Section 2.10.2.7 of IMDG Code, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to IMDG Code provisions. |
| IATA: | In accordance with SP A197, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to IATA dangerous goods regulations. |

14.2. UN proper shipping name

ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AROMATIC HYDROCARBON C 10)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AROMATIC HYDROCARBON C 10)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AROMATIC HYDROCARBON C 10)

14.3. Transport hazard class(es)

ADR / RID: Class: 9 Label: 9

IMDG: Class: 9 Label: 9

IATA: Class: 9 Label: 9



14.4. Packing group

ADR / RID, IMDG, IATA: III

14.5. Environmental hazards

ADR / RID: Environmentally Hazardous

IMDG: Marine Pollutant

IATA: Environmentally Hazardous



14.6. Special precautions for user

ADR / RID:

HIN - Kemler: 90

Limited Quantities: 5 It

Tunnel restriction code: (-)

Special provision: 274, 335, 375, 601

IMDG:

EMS: F-A, S-F

Limited Quantities: 5 It

Maximum quantity: 450 L

IATA:

Cargo:

Maximum quantity: 450 L

Packaging instructions: 964

Passengers:

Maximum quantity: 450 L

Packaging instructions: 964

Special provision:

A97, A158, A197, A215

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: E2

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

| | |
|----------------|---|
| <u>Product</u> | |
| Point | 3 |

Contained substance

| | | |
|-------|-------|---|
| Point | 59-75 | DICHLOROMETHANE REACH Reg.: 01-2119480404-41 |
|-------|-------|---|

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

not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage ≥ 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.

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:

| | |
|---------|-----------------------------|
| Carc. 2 | Carcinogenicity, category 2 |
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| UNIservice UNISAFE Srl | | Revision nr. 5 |
| | | Dated 30/04/2024 |
| CARBON REMOVER | | Printed on 30/04/2024 |
| | | Page n. 14/15 |
| | | Replaced revision:4 (Dated: 21/08/2023) |
| | | |
| Acute Tox. 4 | Acute toxicity, category 4 | |
| Asp. Tox. 1 | Aspiration hazard, category 1 | |
| Eye Dam. 1 | Serious eye damage, category 1 | |
| Eye Irrit. 2 | Eye irritation, category 2 | |
| Skin Irrit. 2 | Skin irritation, category 2 | |
| STOT SE 3 | Specific target organ toxicity - single exposure, category 3 | |
| Aquatic Chronic 2 | Hazardous to the aquatic environment, chronic toxicity, category 2 | |
| H351 | Suspected of causing cancer. | |
| H302 | Harmful if swallowed. | |
| H304 | May be fatal if swallowed and enters airways. | |
| H318 | Causes serious eye damage. | |
| H319 | Causes serious eye irritation. | |
| H315 | Causes skin irritation. | |
| H336 | May cause drowsiness or dizziness. | |
| H411 | Toxic to aquatic life with long lasting effects. | |
| EUH066 | Repeated exposure may cause skin dryness or cracking. | |
| 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 | | |
| - PEC: Predicted environmental Concentration | | |
| - PEL: Predicted exposure level | | |
| - PMT: Persistent, mobile and toxic | | |
| - 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 | | |
| - vPvM: Very persistent and very mobile | | |
| - WGK: Water hazard classes (German). | | |
| GENERAL BIBLIOGRAPHY | | |
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| 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament | | |
| 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 | | |

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| <p align="center">UNIservice UNISAFE Srl</p> | <p>Revision nr. 5</p> |
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| <p>6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament</p> <p>7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament</p> <p>8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament</p> <p>9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament</p> <p>10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament</p> <p>11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament</p> <p>12. Regulation (EU) 2016/1179 (IX Atp. CLP)</p> <p>13. Regulation (EU) 2017/776 (X Atp. CLP)</p> <p>14. Regulation (EU) 2018/669 (XI Atp. CLP)</p> <p>15. Regulation (EU) 2019/521 (XII Atp. CLP)</p> <p>16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)</p> <p>17. Regulation (EU) 2019/1148</p> <p>18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)</p> <p>19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)</p> <p>20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)</p> <p>21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)</p> <p>22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)</p> <p>23. Delegated Regulation (UE) 2023/707</p> <p>24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)</p> <p>24. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)</p> <p>- The Merck Index. - 10th Edition</p> <p>- Handling Chemical Safety</p> <p>- INRS - Fiche Toxicologique (toxicological sheet)</p> <p>- Patty - Industrial Hygiene and Toxicology</p> <p>- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition</p> <p>- IFA GESTIS website</p> <p>- ECHA website</p> <p>- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy</p> <p>Note for users:</p> <p>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.</p> <p>This document must not be regarded as a guarantee on any specific product property.</p> <p>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.</p> <p>Provide appointed staff with adequate training on how to use chemical products.</p> <p>CALCULATION METHODS FOR CLASSIFICATION</p> <p>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.</p> <p>Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.</p> <p>Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.</p> <p>Changes to previous review:</p> <p>The following sections were modified:</p> <p>01 / 04 / 14.</p> | |