

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 identifierCode: **U052500004**
Product name **SIL-C L635****1.2. Relevant identified uses of the substance or mixture and uses advised against**Intended use **Silicone viscous lubricant.**
Uses advised against: **Different uses than those intended.****1.3. Details of the supplier of the safety data sheet**Name **CENTRO DISTRIBUZIONE UTENSILI S.p.a**
Full address **Via delle Gerole, 19**
District and Country **20867 CAPONAGO (MB)**
ITALY
tel. +39 02 95746081
fax. + 39 02 95745182e-mail address of the competent person
responsible for the Safety Data Sheet
Supplier:**info@cdu.net**
CENTRO DISTRIBUZIONE UTENSILI S.p.a**1.4. Emergency telephone number**For urgent inquiries refer to **CENTRO DISTRIBUZIONE UTENSILI S.p.a +39 02 95746081**
(Technical support - Office hour 8.30-13.00 - 14.00-17.30)

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 (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.****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.**



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. |
| P102 | Keep out of reach of children. |
| P211 | Do not spray on an open flame or other ignition source. |

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) |
|-----------------------------|-----------------------------|--|
| PROPANE | | |
| INDEX 601-003-00-5 | 9,25 \leq x \leq 19,25 | Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: U |
| EC 200-827-9 | | |
| CAS 74-98-6 | | |
| REACH Reg. 01-2119486944-21 | | |
| BUTANE | | |
| INDEX 601-004-00-0 | 5,65 \leq x \leq 8,65 | Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: C, U |
| EC 203-448-7 | | |
| CAS 106-97-8 | | |
| REACH Reg. 01-2119474691-32 | | |
| ISOBUTANE | | |
| INDEX 601-004-00-0 | 1,18 \leq x \leq 4,18 | Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: C, U |
| EC 200-857-2 | | |
| CAS 75-28-5 | | |
| REACH Reg. 01-2119485395-27 | | |
| 1,3-BUTADIENE | | |
| INDEX 601-013-00-X | 0,010 \leq x \leq 0,029 | Flam. Gas 1A H220, Press. Gas (Comp.) H280, Carc. 1A H350, Muta. 1B H340, Classification note according to Annex VI to the CLP Regulation: D |
| EC 203-450-8 | | |
| CAS 106-99-0 | | |

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 max: 32.14 %

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

No episodes of harm to the staff authorised to use the product have been reported. The following general measures should be adopted as necessary:

INHALATION: remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.

INGESTION: get medical advice/attention. Induce vomiting only if indicated by the doctor. Do not give anything by mouth to an unconscious person.

EYES and SKIN: wash with plenty of water. In the event of persistent irritation, get medical advice/attention.

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 for the doctor: symptomatically treatment.

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

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.

Storage class TRGS 510 (Germany): 2B

7.3. Specific end use(s)

Silicone viscous lubricant.

SECTION 8. Exposure controls/personal protection**8.1. Control parameters**



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Regulatory References:

| | | |
|-----|-----------------------------|--|
| AUS | Österreich | Gesamte Rechtsvorschrift für Grenzwerteverordnung 2021, Fassung vom 17.06.2021 |
| BEL | Belgique | Liste de valeurs limites d'exposition aux agents chimiques, livre VI du code du bien-être au travail |
| BGR | България | НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари 2020г.) |
| CHE | Suisse / Schweiz | Valeurs limites d'exposition aux postes de travail: VME/VLE (SUVA). Grenzwerte am Arbeitsplatz: MAK (SUVA) |
| 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 |
| DNK | Danmark | Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019 |
| ESP | España | Límites de exposición profesional para agentes químicos en España 2021 |
| EST | Eesti | Ohtlike kemikaalide ja neid sisaldavate materjalide kasutamise töötervishoiu ja tööohutuse nõuded ning töökeskkonna keemiliste ohutegurite piirnormid [RT I, 17.10.2019, 1 - jõust. 17.01.2020] |
| FRA | France | Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS |
| FIN | Suomi | HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH HÄLSOVÄRDSMINISTERIETS PUBLIKATIONER 2020:25 |
| GRC | Ελλάδα | Π.Δ. 26/2020 (ΦΕΚ 50/Α` 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ ``σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιογόνους παράγοντες κατά την εργασία``» |
| HUN | Magyarország | Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről |
| HRV | Hrvatska | Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021) |
| IRL | Éire | 2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019) |
| LVA | Latvija | Grozījumi Ministru kabineta 2007. gada 15. maija noteikumos Nr. 325 "Darba aizsardzības prasības saskarē ar ķīmiskajām vielām darba vietās" (prot. Nr. 32 18. §; prot. Nr. 1 22. §) |
| NOR | Norge | Forskrift om endring i forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier), 21. august 2018 nr. 1255 |
| NLD | Nederland | Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit |
| POL | Polska | Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy |
| ROU | România | Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006 |
| SVN | Slovenija | Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19) |
| GBR | United Kingdom TLV-ACGIH | EH40/2005 Workplace exposure limits (Fourth Edition 2020) ACGIH 2022 |

BUTANE

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|---------|---------|--------|-----|------------|------|--------------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| MAK | AUS | 1900 | 800 | 3800 | 1600 | STEL:60(Mow),Häufigkeit/Sch:3x |
| TRK | AUS | 1600 | 800 | 3800 | 1600 | |
| VLEP | BEL | | | 2370 | 980 | |
| TLV | BGR | 1900 | | | | |
| MAK | CHE | 1900 | 800 | 7600 | 3200 | |
| VME/VLE | CHE | 1900 | 800 | 7600 | 3200 | |



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| | | | | | |
|-----------|-----|------|------|------|------------------|
| AGW | DEU | 2400 | 1000 | 9600 | 4000 |
| MAK | DEU | 2400 | 1000 | 9600 | 4000 |
| TLV | DNK | 1200 | 500 | | |
| VLA | ESP | | 1000 | | Gases |
| TLV | EST | 1500 | 800 | | |
| VLEP | FRA | 1900 | 800 | | |
| HTP | FIN | 1900 | 800 | 2400 | 1000 |
| TLV | GRC | 2350 | 1000 | | |
| AK | HUN | 2350 | | 9400 | |
| GVI/KGVI | HRV | 1450 | 600 | 1810 | 750 |
| OELV | IRL | | | | 1000 All Isomers |
| RV | LVA | 300 | | | |
| TLV | NOR | 600 | 250 | | |
| TGG | NLD | 1430 | | | |
| NDS/NDSch | POL | 1900 | | 3000 | |
| MV | SVN | 2400 | 1000 | 9600 | 4000 |
| WEL | GBR | 1450 | 600 | 1810 | 750 |
| WEL | GBR | | 4 | | RESP |
| TLV-ACGIH | | | | | 1000 |

PROPANE

| Threshold Limit Value | | | | | | |
|-----------------------|---------|--------|------|------------|------|--------------------------------|
| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
| | | mg/m3 | ppm | mg/m3 | ppm | |
| MAK | AUS | 1800 | 1000 | 3600 | 2000 | STEL:60(Mow),Häufigkeit/Sch:3x |
| TRK | AUS | 1800 | 1000 | 3600 | 2000 | |
| VLEP | BEL | | 1000 | | | |
| TLV | BGR | 1800 | | | | |
| MAK | CHE | 1800 | 1000 | 7200 | 4000 | |
| VME/VLE | CHE | 1800 | 1000 | 7200 | 4000 | |
| AGW | DEU | 1800 | 1000 | 7200 | 4000 | |
| MAK | DEU | 1800 | 1000 | 7200 | 4000 | |
| TLV | DNK | 1800 | 1000 | | | |
| VLA | ESP | | 1000 | | | |
| TLV | EST | 1800 | 1000 | | | |
| HTP | FIN | 1500 | 800 | 2000 | 1100 | |
| TLV | GRC | 1800 | 1000 | | | |
| RV | LVA | 1800 | 100 | | | |
| TLV | NOR | 900 | 500 | | | |
| NDS/NDSch | POL | 1800 | | | | |
| TLV | ROU | 1400 | 778 | 1800 | 1000 | |
| MV | SVN | 1800 | 1000 | 7200 | 4000 | |



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ISOBUTANE

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|------|------------|------|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| VLEP | BEL | | | 2370 | 980 | |
| MAK | CHE | 1900 | 800 | | | |
| VME/VLE | CHE | 1900 | 800 | | | |
| AGW | DEU | 2400 | 1000 | 9600 | 4000 | |
| MAK | DEU | 2400 | 1000 | 9600 | 4000 | |
| HTP | FIN | 1900 | 800 | 2400 | 1000 | |
| OELV | IRL | | | | 1000 | |
| TLV-ACGIH | | | | | 1000 | |

Legend:

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

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.

HAND PROTECTION

None required.

SKIN PROTECTION

Wear category I 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.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Properties | Value | Information |
|--------------------------------|----------------|----------------------------------|
| Appearance | aerosol | |
| Colour | colourless | |
| Odour | odourless | |
| Melting point / freezing point | not available | |
| Initial boiling point | not available | |
| Flammability | not available | |
| Lower explosive limit | not available | |
| Upper explosive limit | not available | |
| Flash point | not applicable | Note: does not apply to aerosols |
| Auto-ignition temperature | not available | |
| Decomposition temperature | not available | |



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| | |
|--|--|
| pH | not applicable |
| Kinematic viscosity | not available |
| Solubility | in water: insoluble; in acetone: soluble |
| Partition coefficient: n-octanol/water | not available |
| Vapour pressure | not available |
| Density and/or relative density | 0.97 kg/dm ³ |
| Relative vapour density | not available |
| Particle characteristics | not applicable |

Note: the density data refers to the liquid base without considering the propellant.
Temperature: 20°C

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 2010/75/EU) | 99.97 % - 969.72 g/litre |
| Propellant flammability | extremely flammable |
| Limit of propellant flammability | 1,8-9,5% |

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

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

10.4. Conditions to avoid

Avoid overheating.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

Information not available.

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 1272/2008Metabolism, 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

Information not available.

Interactive effects

Information not available.

ACUTE TOXICITY

| | |
|----------------------------------|---|
| ATE (Inhalation) of the mixture: | not classified (no significant component) |
| ATE (Oral) of the mixture: | not classified (no significant component) |
| ATE (Dermal) of the mixture: | not classified (no significant component) |

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class.

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class.

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

Does not meet the classification criteria for this hazard class.

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.

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

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

Information not available.

12.2. Persistence and degradability

BUTANE

Rapidly degradable

PROPANE
Rapidly degradable

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 \geq 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: 1950

14.2. UN proper shipping name

ADR / RID: AEROSOLS

IMDG: AEROSOLS

IATA: AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR / RID: Class: 2 Label: 2.1

IMDG: Class: 2 Label: 2.1

IATA: Class: 2 Label: 2.1

**14.4. Packing group**



ADR / RID, IMDG, IATA: -

14.5. Environmental hazardsADR / RID: NO
IMDG: NO
IATA: NO**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 |
| | Passengers: | 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.

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

Product

Point 40

Contained substance

Point 75

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 \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**

Information not available.

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)

WGK 1: low hazard to waters.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the mixture.

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 |
| Press. Gas (Liq.) | Liquefied gas |
| Press. Gas (Comp.) | Compressed gas |
| Carc. 1A | Carcinogenicity, category 1A |
| Muta. 1B | Germ cell mutagenicity, category 1B |
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: may burst if heated. |
| H280 | Contains gas under pressure; may explode if heated. |
| H350 | May cause cancer. |
| H340 | May cause genetic defects. |

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



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- WGK: Water hazard classes (German).

Classification and procedure used to derive it in accordance with Regulation (EC) 1272/2008 (CLP) in relation to mixtures:

| Classification according to Regulation (EC) No. 1272/2008 | Classification procedure |
|---|----------------------------|
| Aerosol 1 H222+H229 | Based on experimental data |

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
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
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)
22. Delegated Regulation (UE) 2022/692 (XVIII 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:

01 / 02 / 03 / 08 / 09 / 10 / 11 / 12 / 14 / 15 / 16.