otto chemie pvt ltd

An ISO 9001 : 2015 & GMP Certified Company 101, Aarkay Ruby Industrial Estate (1B), Opp Shree Narayan Industrial Estate, Chinchpada, Vasai East, Waliv, Maharashtra 401208. Tel : + 91 98200 41841 Email : info@ottokemi.com Web : www.ottokemi.com

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1. Product identifiers

Product name: Octene, 98% Product Code: O 1265 CAS No : 111-66-0

1.2. Relevant identified uses of the substance or mixture and uses advised against Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet Company identification OTTO CHEMIE PVT LTD 101, Aarkay Ruby Industrial Estate(1B), Opp Shree Narayan Industrial Estate, Chinchpada, Vasai East, Waliv, Maharashtra 401208. Email info@ottokemi.com

1.4. Emergency telephone number Phone no.: + 91 22 2207 0099 (9:00am - 6:00 pm)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Flammable liquids, (Category 2) Aspiration hazard, (Category 1)

Short-term (acute) aquatic hazard, (Category 1) Long-term (chronic) aquatic hazard, (Category 1) 2.2 Label elements Labelling according Regulation (EC) No 1272/2008 Pictogram Signal Word Hazard Statements H225 H304 H410 **Precautionary Statements** P210

P233 P240

P273 P301 + P310 P331 Supplemental Hazard information (EU) EUH066 Reduced Labeling (<= 125 ml) Pictogram Signal Word Hazard Statements H304 **Precautionary Statements** P301 + P310 P331 Supplemental Hazard information (EU) EUH066 2.3 Other hazards

H225: Highly flammable liquid and vapor. H304: May be fatal if swallowed and enters airwavs. H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Danger

Highly flammable liquid and vapor. May be fatal if swallowed and enters airways. Very toxic to aquatic life with long lasting effects.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Avoid release to the environment. IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Do NOT induce vomiting.

Repeated exposure may cause skin dryness or cracking.

Danger

May be fatal if swallowed and enters airways.

IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Do NOT induce vomiting.

Repeated exposure may cause skin dryness or cracking.

This substance/mixture contains no components considered to be either persistent.

bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at

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levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

| 3.1 Substances | |
|------------------|----------------|
| Formula | : C8H16 |
| Molecular weight | : 112,21 g/mol |
| CAS-No. | : 111-66-0 |
| EC-No. | : 203-893-7 |

| Component | Classification | Concentration |
|------------------|--|---------------|
| Oct-1-ene | | |
| CAS-No. 111-66-0 | Flam. Liq. 2; Asp. Tox. 1; Aquatic Acute | <= 100 % |
| EC-No. 203-893-7 | 1; Aquatic Chronic 1; H225, H304, H400, | |
| | H410 M-Factor - Aquatic Acute: 1 | |

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures General advice Show this material safety data sheet to the doctor in attendance. If inhaled After inhalation: fresh air. In case of skin contact In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. In case of eye contact After eye contact: rinse out with plenty of water. Remove contact lenses. If swallowed After swallowing: caution if victim vomits. Risk of aspiration! Keep airways free. Pulmonary failure possible after aspiration of vomit. Call a physician immediately. 4.2 Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 4.3 Indication of any immediate medical attention and special treatment needed No data available **SECTION 5: Firefighting measures** 5.1 Extinguishing media Suitable extinguishing media Foam Carbon dioxide (CO2) Dry powder Unsuitable extinguishing media For this substance/mixture no limitations of extinguishing agents are given. 5.2 Special hazards arising from the substance or mixture Nature of decomposition products not known. Combustible. Pay attention to flashback. Vapors are heavier than air and may spread along floors. Development of hazardous combustion gases or vapours possible in the event of fire. Forms explosive mixtures with air at ambient temperatures. 5.3 Advice for firefighters In the event of fire, wear self-contained breathing apparatus. 5.4 Further information Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

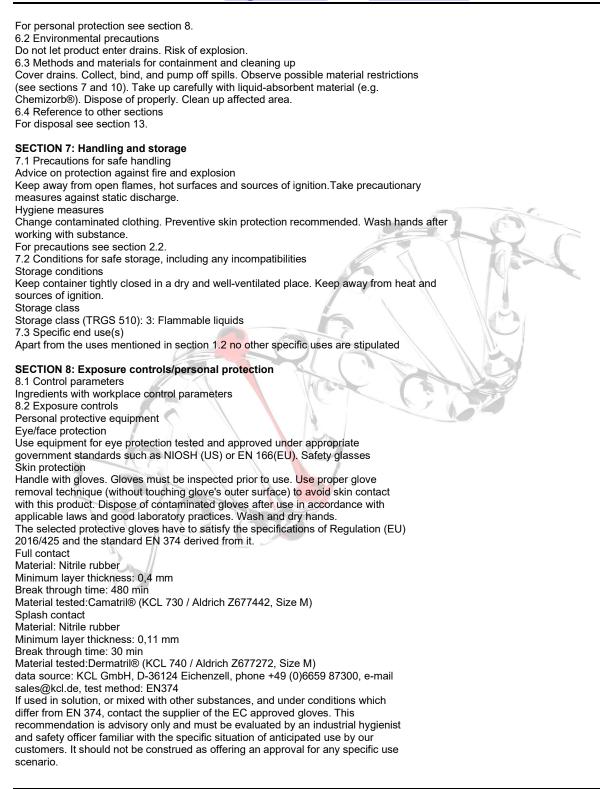
6.1 Personal precautions, protective equipment and emergency procedures Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert.

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Body Protection Flame retardant antistatic protective clothing. Respiratory protection required when vapours/aerosols are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type ABEK The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented. Control of environmental exposure Do not let product enter drains. Risk of explosion. **SECTION 9: Physical and chemical properties** 9.1 Information on basic physical and chemical properties a) Physical state liquid b) Color No data available c) Odor No data available d) Melting Melting point/range: -101,7 °C point/freezing point e) Initial boiling point No data available and boiling range f) Flammability (solid, No data available gas) g) Úpper/lower Upper explosion limit: 6,8 %(V) flammability or Lower explosion limit: 0,7 %(V) explosive limits h) Flash point 10 °C - closed cup No data available i) Autoignition

No data available

No data available Viscosity, kinematic: No data available Viscosity, dynamic: 0,27 Pas at 25 °C 4,1 g/l at 25 °C No data available

17 hPa at 20 °C No data available No data available No data available

No data available

No data available none

3,9 - (Air = 1.0)

SECTION 10: Stability and reactivity

10.1 Reactivity
Vapors may form explosive mixture with air.
10.2 Chemical stability
The product is chemically stable under standard ambient conditions (room temperature) .
10.3 Possibility of hazardous reactions
No data available
10.4 Conditions to avoid
Warming.

DISCLAIMER

temperature j) Decomposition

temperature k) pH

I) Viscosity

p) Density

density r) Particle

density

m) Water solubility

n-octanol/water o) Vapor pressure

Relative density

characteristics s) Explosive properties

Relative vapor

t) Oxidizing properties

9.2 Other safety information

g) Relative vapor

n) Partition coefficient:

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10.5 Incompatible materials Bromine, Chlorine, Acids, Oxidizing agents, Humid air, Strong oxidizing agents 10.6 Hazardous decomposition products In the event of fire: see section 5 **SECTION 11: Toxicological information** 11.1 Information on toxicological effects Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Toxicity to Animals: Oral LD50 Rat: 1500 mg/kg; Dermal LD50 Rabbit: 2000mg/kg Inhalation LC50 Rat: > 50mg/L. Chronic Effects on Humans: CARCINOGENIC EFFECTS: Classified None. by NTP, None. by OSHA, None. by NIOSH. Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of inhalation (lung irritant). Special Remarks on Toxicity to Animals: Not available. Special Remarks on Chronic Effects on Humans: Not available. Special Remarks on other Toxic Effects on Humans: Not available. **SECTION 12: Ecological information** 12.1 Toxicity Toxicity to fish semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - 0,87 mg/l - 96 h (OECD Test Guideline 203) Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 0,56 - 1 mg/l - 48 h (OECD Test Guideline 202) Toxicity to algae static test ErC50 - Pseudokirchneriella subcapitata - 1 - 1,8 mg/l -72 h (OECD Test Guideline 201) Toxicity to bacteria static test NOEC - Sewage sludge - 2 mg/l - 28 d (OECD Test Guideline 301D) Toxicity to daphnia and other aquatic invertebrates(Chronic toxicity) NOEC - Daphnia magna (Water flea) - 0,02 mg/l - 21 d (OECD Test Guideline 211) 12.2 Persistence and degradability Biodegradability aerobic - Exposure time 28 d Result: > 91 - < 96 % - Readily biodegradable. (OECD Test Guideline 301C) 12.3 Bioaccumulative potential No data available 12.4 Mobility in soil No data available 12.5 Results of PBT and vPvB assessment This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. 12.6 Endocrine disrupting properties No data available 12.7 Other adverse effects No data available **SECTION 13: Disposal considerations** 13.1 Waste treatment methods Product

See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

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SECTION 14: Transport information

| | 14.1 UN number | | | |
|------------------------------------|------------------------------|-------------------------|------------------------------|------------|
| | ADR/RID: 3295 | | IMDG: 3295 | IATA: 3295 |
| | 14.2 UN proper shipping nai | me | | |
| | ADR/RID : HYDR | OCARBONS, LIQUID, | N.O.S. (Oct-1-ene) | |
| | IMDG : HYDR | OCARBONS, LIQUID, | N.O.S. (Oct-1-ene) | |
| | IATA : Hydrod | carbons, liquid, n.o.s. | | |
| | 14.3 Transport hazard class | (es) | | |
| | ADR/RID: 3 | | IMDG: 3 | IATA: 3 |
| | 14.4 Packaging group | | | |
| | ADR/RID: II | | IMDG: II | IATA: II |
| | 14.5 Environmental hazards | ; | | |
| | ADR/RID: yes | | IMDG Marine pollutant: yes | IATA: no |
| | 14.6 Special precautions for | user | | |
| | Tunnel restriction code | : (D/E) | | |
| | Further information | : No data available | | 1 |
| | | | | |
| SECTION 15: Regulatory information | | | | |
| | 15.1 Safety, health and envi | ronmental regulations/ | legislation specific for the | |
| | substance or mixture | | | 1122 |

| 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture |
|---|
| This material safety data sheet complies with the requirements of Regulation (EC) No. |
| 1907/2006. |
| National legislation Seveso III: Directive 2012/18/EU of the |
| European Parliament and of the Council |
| on the control of major-accident hazards |
| involving dangerous substances. |
| P5c FLAMMABLE LIQUIDS |
| E1 ENVIRONMENTAL HAZARDS |
| Other regulations |
| Take note of Dir 94/33/EC on the protection of young people at work. |
| 15.2 Chemical Safety Assessment |
| For this product a chemical safety assessment was not carried out |
| SECTION 40: Other Information |

SECTION 16: Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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