



## 5. Fire-fighting measures

Closed containers exposed to the heat of a fire may lead to pressure rise and explode. For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

Extinguishing measures: CO<sub>2</sub>, foam, AFFF, chemical powder for flammable liquids. Water may not be effective to extinguish the fire, nevertheless it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not caught fire, vaporized water may be used to disperse the flammable vapours and protect the people involved in stopping the leakage.

Equipment: wear equipment complete with helmet and face shield and protection of the neck, self breathing apparatus at pressure or demand, insulated jacket and trousers, with bands around the arms, legs and waist.

## 6. Accidental release measures

Extinguish the sources of ignition or heat; cover the spillage with inert absorbent material. Collect as far as possible the resulting mass and discard the remainder by spraying water, if not contraindicated.

For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

## 7. Handling and storage

Store in a well ventilated place keeping the containers closed when not used. Do not smoke while handling. Keep far away from sources of heat, naked flames and sparks and other sources of ignition; do not spray in the vicinity of flames or incandescent materials.

For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

## 8. Exposure controls/personal protection.

Engineering controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work station.

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures such as: masks suitable for the product, goggles, gloves and overalls. Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and at the end of the work shift.

Exposure limits:

TWA: 50 from OSHA (PEL) (United States) inhalation

TWA: 25 (ppm) from ACGIH (TLV) (United States) SKIN

TWA: 100 (mg/m<sup>3</sup>) from NIOSH (United States) SKIN

TWA: 25 (ppm) from NIOSH (United States) SKIN

TWA: 100 (mg/m<sup>3</sup>) from OSHA (PEL) (United States) SKIN

TWA: 200 (mg/m<sup>3</sup>) from OSHA (PEL) (United States) inhalation

## 9. Physical and chemical properties

Colour		transparent
Odour		Reminiscent of peppermint
State		liquid
Solubility		N.A.
Water solubility		150 g/l @ 10 deg. C; 50 g/l @ 30 deg. C
Viscosity		N.A.
Vapour density		3.4 (Air = 1)
Evaporation speed		N.A.
Comburent properties		N.A.
Partition coefficient: n-octanol/water		N.A.
pH		N.A.
Boiling point	>	146°C
Flash point	>	38°C
Explosive properties		N.A.
Vapour pressure		0.7 kPa @ 26.7C
Molecular weight		98.15g/mole
Specific gravity		0.9478 (Water = 1)

## 10. Stability and reactivity

Stability: The product is stable.

Instability Temperature: Not available

Conditions of Instability: Heat, ignition sources, incompatible materials.

Incompatibility with various substances: Reactive with oxidizing agents, acids, alkalis.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:

Incompatible with amines, nitric acid and other strong acids, strong alkalies (bases) such as sodium hydroxide or potassium hydroxide, strong oxidizing agents (perchlorates, peroxides, permanganates, chlorates, nitrates, chlorine, bromine, fluorine)

Special Remarks on Corrosivity: Not available

Polymerization: Will not occur

## 11. Toxicological information

Acute effects: inhalation of this product is harmful. This product may irritate mucous membranes, the upper respiratory tract, eyes, and skin. Exposure symptoms may include: stinging and irritated eyes, mouth, nose, throat; cough, respiratory disorders, dizziness, headache, nausea and sickness.

In the most serious cases, inhalation of this product may cause larynx and bronchial tube swelling and irritation, chemical pneumonia and pulmonary swelling. Ingestion of even small amounts of product may cause health problems (stomach pain, nausea, sickness, diarrhoea, etc.).

The introduction of even small quantities of this liquid into the respiratory system during ingestion or vomit may cause bronchopneumonia and pulmonary swelling.

Vapours are particularly irritating to the eyes and respiratory airways and at high concentrations. Frequent contact with the skin may cause dermatitis (INR nr. 31, 1987).

## 12. Ecological information

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

## 13. Disposal considerations

Waste must be disposed of in accordance with federal, state and local environmental regulations.

## 14. Transport information

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original packing or in packing made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:

ADR: 3,III UN:1263  
Label: 3  
Proper Shipping Name: Paint or paint related material

Carriage by sea (shipping):

IMO class: 3 UN: 1263  
Packing Group: III  
EMS: 3-05  
Marine Pollutant  
Proper Shipping Name: Paint or paint related material

Transport by air:

IATA: 3 UN:1263  
Packing Group: III  
Label: 3  
Cargo:  
Packaging instructions: 310 Maximum quantity: 220L  
Pass.:  
Packaging instructions: 309 Maximum quantity: 60L

Special Instructions: A72

## 15. Regulatory information

Health hazard symbol



Xn HARMFUL

- R10 FLAMMABLE.
- R20 HARMFUL BY INHALATION.
- R65 HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.
- S 9 KEEP CONTAINER IN A WELL-VENTILATED PLACE.
- S13 KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.
- S62 IF SWALLOWED, DO NOT INDUCE VOMITING: SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.

Contains:  
CYCLOHEXANONE  
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM

Danger labelling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments.

Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/CE.

## 16. Further information

Text of -R- phrases quoted in section 2 of the sheet.

- R10 FLAMMABLE.
- R20 HARMFUL BY INHALATION.
- R36 IRRITATING TO EYES.
- R65 HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.
- R66 REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.
- R67 VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

THIS PRODUCT IS SUITABLE FOR PROFESSIONAL USE ONLY.

### GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII);
3. Regulation 91/155/CEE and following amendments;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. N.I. Sax-Dangerous properties of Industrial Materials-7, 1989 Edition;

### 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.

### Changes to previous review

The following sections were modified:

01 / 02 / 09 / 14 / 15