



Safety data sheet

Kema KC-32 Cutting oil Spray

1. Identification of the substance/preparation and of the company/undertaking

Prepared on: 13-10-2008/ MJH Replaces: 18-07-2006	Distributor: ITW Chemical Products Scandinavia Priorsvej 36 8600 Silkeborg
Product use: Cutting spray.	
Article no.: 19365	Tel:(+45) 86 82 64 44 Fax:(+45) 86 82 64 64 Emergency telephone number: +45 86 82 64 44 Emergency telephone number between 8 and 15.30 ; Monday to Friday. Contact person:Marlene Hesselberg Email: info@itw-scan.com

2. Hazards identification

Extremely flammable.
Additional information By prolonged use this product may form flammable/explosive vapour-air mixture. The vapour is heavier than air and can accumulate in low level areas.

3. Composition/information on ingredients

Einecs no.	CAS No.	Substances	Classification	w/w%
270-704-2	68476-85-7	Petroleum gases, liquefied	F+;R12	10-20
-	-	Mineraloil and additives <3% DMSO	-	80-90

Please see section 16 for the full text of the R-phrases

4. First aid measures

Inhalation Seek fresh air. Seek medical advice if symptoms persist.
Ingestion Wash out mouth thoroughly and drink plenty of water. Seek medical advice if symptoms persist. If vomiting occurs, keep head low so that stomach contents do not enter lungs.
Skin Remove contaminated clothing. Wash skin with soap and water. Use a moisture cream.
Eyes Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice if symptoms persist.
Burns Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.
Other information When obtaining medical advice, show the safety data sheet or label.

5. Fire-fighting measures

Extinguish with powder, foam, carbon dioxide or water mist. Do not use water stream, as it may spread the fire. Use water or water mist to cool non-ignited stock. Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air. CAUTION! Aerosol containers may explode. Fire fighters should wear self-contained breathing apparatus.
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6. Accidental release measures

Use the same personal protective equipment as stated in section 8. Provide adequate ventilation. Smoking and naked flames prohibited. Wipe up drops and splashes with a cloth and dispose of the cloth as set out in section 13. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant.

7. Handling and storage

Handling

Does not contain organic solvents. Wear suitable gloves and goggles to avoid contact with skin and eyes. Smoking and naked flames prohibited.

Storage

Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C. Storage temperature should be controlled to between 5 and 40°C.

8. Exposure controls/ personal protection

Precautions for use

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Use fresh air system if the work takes place in very small, closed areas and/or if the local ventilation/suction is inadequate.

Respiratory protection

The product contains liquids with a low boiling point which are poorly adsorbed on charcoal filters. The use of fresh air respiratory protective equipment is thus required.

In most cases a mask with a filter insert for hydrocarbon solvents is adequate, as the product normally is used only for a short period of time.

Gloves and protective clothing

Protective gloves not normally required. Use a good quality barrier cream. Wear normal work wear. By prolonged or repeated skincontact use protective gloves made of Nitrile or NBR rubber.

Eye protection

Wear safety goggles if there is a risk of eye splash.

Occupational exposure limits

Ingredients	Exposure limit	Remarks

The exposure limits stated are in accordance with EH40/2002 Occupational Exposure Limits 2002.

Control methods

Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

9. Physical and chemical properties

Appearance: Light yellow liquid.

Flash point (konc.): 210°C

Odour: Mild

Density: 0,81 g/ml

Solubility in water (g/100 ml): Insoluble in water.

Relative density, vapour: >1 (air=1)

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10. Stability and reactivity

Stabile under recommended storage and handling conditions. Durability for the aerosol is at least 3 years from date of production, but it can be used for up to 5 years if there is enough propellant in the aerosol to apply the contents in a satisfactory way. Reacts with strong oxidizing agents. Combustion will generate: Carbon monoxide, carbon dioxide, smoke and oxides of nitrogen. Oxides of sulphur

11. Toxicological information

Acute

Inhalation

Chemical conditioned lunginflammation may occur if the product by inhalation of drops, by ingestion or by vomiting enters the lunges.

Ingestion

Difficult because of the packing. Ingestion may cause nausea. Do not provoke vomiting.

Skin contact

Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking.

Eye contact

Irritates eyes.

Long-term effects

12. Ecological information

Avoid discharge to drain or surface water. Avoid unnecessary release to the environment.

Ecotoxicity

There have not been performed any particular tests with this product. Due to the packaging and on the basis of information on some of the ingredients, an insignificant toxicity is expected for fish.

Mobility

A part of the product is volatile and will evaporate from water and earth in a few days.

Persistence and degradability

Degradability data not provided.

Bioaccumulative potential

No bioaccumulation data provided.

13. Disposal considerations

Collect spills and waste in closed and sealed containers and send to the local disposal facility for chemical waste.

Empty aerosols (totally emptied for propellant) or aerosols that by accident have been punctured: EWC-code 15 01 04. Remains of the product should be disposed of in accordance with regulations made by the local authorities: EWC-code 16 05 04.

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14. Transport information

The product must be transported in accordance with national and/or international rules for transport of dangerous goods by road and sea according to ADR and IMDG.

ADR: UN 1950 ; Aerosols ; 2.1 ;

IMDG: UN 1950 ; Aerosols ; 2.1 ;

Classification code: Label ADR: 2.1 Hazard identification number:

Flash point: °C Label IMDG: 2.1 IMDG EmS.: F-D, S-U

15. Regulatory information



Extremely flammable

Hazard designation: Extremely flammable

Hazard symbols: F+

R-phrases

Extremely flammable. (R12)

S-phrases

Keep container in a well ventilated place. (S9)

Keep away from sources of ignition - No smoking. (S16)

Do not breathe vapour/spray. (S23-DA)

Use only in well ventilated areas. (S51)

Other labelling

Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition – No smoking. Keep out of the reach of children.

Volatile organic compounds (VOC):

This product contains a maximum of 13 g VOC/L. The limit value is 75 g VOC/L (cat. A/a)

Chemical safety assessment

Chemical safety assessment has not been performed.

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16. Other information

Training requirement

No special training is required, but a thorough knowledge of this data safety sheet should be a prerequisite condition.

Packaging

Spray can.

Sources used

Other information

The product should only be used for the stated application or applications.

The information in this MSDS are based on our present state of knowledge and on current EEC and national laws. The users own working conditions are beyond our knowledge and control. The information in this MSDS are meant as a description of the safety requirements of our product: it may not be considered as a guarantee of the products' properties.

Full text of the R-phrases that are stated in section 3.

R12 Extremely flammable.

Amendments have been made in the following sections

Changes have been made in section 1, 2, 3, 8, 9, 14, 15 and 16.

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