Safety data sheet

Kema EMC-O2 Welding Spray

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

Revision: 23-07-2009/ MJH
Replaces: 02-03-2006

Product use: Welding spray.

Article no.: 19765

Distributor:
ITW Chemical Products Scandinavia
Priorsvej 36
8600 Silkeborg

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%
267-015-4	67762-38-3	Fatty acids, C 16-18 and C18 unsatd., Me esters	-	15-20
270-704-2	68476-85-7	Petroleum gases, liquefied	F+;R12	80-90
226-097-1	5274-68-0	3,6,9,12-tetraoxatetracosan-1-ol	Xi; R41, N; R50	1-5

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.

Skin
Wash skin with soap and water. Remove contaminated clothing. Seek medical advice if symptoms persist.

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.

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. Spillage from aerosols is very unlikely. Spillage should be contained with cloth or oil absorbent materials and placed in suitable containers for destruction.

7. Handling and storage

Handling
See section 8 for information about precautions for use and personal protective equipment. Smoking and naked flames prohibited. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment.

Storage
Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°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.

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.

Gloves and protective clothing
Wear protective gloves made of nitrile rubber. Wear normal work wear.

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: Transparant, pale yellow liquid, aerosol
Odour: Mild.
Solubility in water (g/100 ml): Insoluble.
Density: 0,577 g/mL
Relative density, vapour: >1 (air=1)
Flash point: >0°C
Viscosity: 6 cSt. at 25°C

10. Stability and reactivity

Durability for the aerosol is at least 5 years from date of production, 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.

11. Toxicological information

Acute

Inhalation
Inhalation of concentrated vapours in areas with little ventilation could result in headache and nausea and have an anaesthetics effect.

Ingestion
Difficult because of the packing. Ingestion of large quantities may cause discomfort.

Skin contact
May irritate the skin – may cause reddening.

Eye contact
May cause eye irritation.

Long-term effects

12. Ecological information

Avoid unnecessary release to the environment.

Ecotoxicity
The product contains an ingredient that is very toxic to aquatic organisms.

Mobility
A part of the product is volatile and will evaporate from water and earth in a few days. Possible remains will be vegetable ester in amounts neutral to the environment.

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.

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: 5F Label ADR: 2.1 Hazard identification number:
Flash point: °C Label IMDG: 2.1 IMDG EmS.: F-D, S-U

Tunnel-code (D)

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)
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 616 g VOC/L. The limit value is 850 g VOC/L (cat. B/a)

Chemical safety assessment
Chemical safety assessment has not been performed.

ITW Chemical Products Scandinavia Priorsvej 36, 8600 Silkeborg +45 86 82 64 44/+45 86 82 64 64

16. Other information

Training requirement

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

Sources used

Other information

The product should only be use 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 the entire datasheet.