



Safety data sheet

Kema AR-326 Antirust spray

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

Prepared on: 03-10-2008/ MJH Replaces: 03-11-2006	Distributor: ITW Chemical Products Scandinavia Priorsvej 36 8600 Silkeborg
Product use: Anti Rust.	
Article no.: 01485	Tel:(+45) 86 82 64 44 Fax:(+45) 86 82 64 64 Emergency telephone number: +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. Repeated exposure may cause skin dryness or cracking.
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%	
265-150-3	64742-48-9	Naphtha (petroleum), hydrotreated heavy	Xn;R65 R66	20-30	3
270-704-2	68476-85-7	Petroleum gases, liquefied (<0.1% 1,3-butadien)	F+;R12	10-20	
	-	Highly refined mineraloil (DMSO 3%, IP 346)	-	50-60	

3) R65 is not applicable due to use as aerosols.
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 Wash skin with soap and water. Use a moisture cream. Remove contaminated clothing.
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.

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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. Smoking and naked flames prohibited. 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

Contains organic solvents. See section 8 for information about precautions for use and personal protective equipment. Smoking and naked flames prohibited.

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. 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

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

Use nitrile gloves if there is a risk of skin contact. 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.

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9. Physical and chemical properties

Appearance: Yellow liquid.
Odour: Mild
Density: 0,78 g/ml
Solubility in water (g/100 ml): Insoluble.
Relative density, vapour: >1 (air=1)

Flash point (koncentrate): 177°C

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.

11. Toxicological information

Acute

Inhalation

The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Inhalation of spray mist may cause chemical pneumonia.

Ingestion

Difficult because of the packing. Ingestion may cause nausea. Do not provoke vomiting. May cause chemical pneumonia if ingested or vomited.

Skin contact

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

Eye contact

May cause eye irritation.

Long-term effects

12. Ecological information

No specific biodegradability test has been carried out on this product. Based on information on similar products the product is expected to be biodegradable with a moderate rate of degradability.

Ecotoxicity

The product contains an ingredient that may cause long-term adverse effects in the aquatic environment.

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.

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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: 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)

Repeated exposure may cause skin dryness or cracking. (R66)

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 732 g VOC/L. The limit value is 850 g VOC/L (cat. B/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.

R65 Harmful: May cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

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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