



Safety data sheet

Kema EA-264 Engine Cleaner Spray

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

Revision: 01-12-2010/ MP Replaces: 06-09-2010	Distributor: ITW Chemical Products Scandinavia Priorsvej 36 8600 Silkeborg
Product use: Engine cleaner.	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:Helle Nielsen Email: info@itw-scan.com
Article number: 13535	

2. Hazards identification

DSD/DPD-classification Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Additional information May cause slight irritation to the skin and eyes. Chemical conditioned lunginflammation may occur if the product by inhalation of drops, by ingestion or by vomiting enters the lunges. Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system.

3. Composition/information on ingredients

Einecs no.	CAS No.	Substances	DSD-Classification	w/w%	
265-185-4	64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	Xn;R65	30-60	3
252-104-2	34590-94-8	(2-methoxymethylethoxy)propanol	-	1-5	
204-696-9	124-38-9	carbon-dioxide	-	1-5	
500-048-7	26635-93-8	Oleylaminethoxylate	Xn R22;N;R41;R50/53	1-5	

3) R65 is not applicable due to use as aerosols.
Please see section 16 for the full text of the R-phrases

Other information
1% or over but less than 5% non-ionic surfactants ,
30% and more aliphatic hydrocarbons and aromatic hydrocarbons

4. First aid measures

Inhalation

Seek fresh air. Seek medical advice if symptoms persist.

Ingestion

Wash out mouth thoroughly and drink plenty of water. Do not induce vomiting. If vomiting occurs, keep head low so that stomach contents do not enter lungs. Seek medical advice if symptoms persist.

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.

6. Accidental release measures

Use the same personal protective equipment as stated in section 8. Contain and absorb spill with sand, cat litter or other absorbent material and transfer to suitable waste containers. See section 13 for instructions on disposal. Prevent spillage from entering drains and/or surface water.

7. Handling and storage

Handling

Contains organic solvents. Wear suitable gloves and goggles to avoid contact with skin and eyes.

Storage

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

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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

In most cases a mask with a filter insert for hydrocarbon solvents is adequate. In such cases a mask with an AX-filter insert is recommended.

Gloves and protective clothing

Use Nitrile rubber gloves if there is a risk of skin contact.

Eye protection

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

Occupational exposure limits

Ingredients	Exposure limit	Remarks
carbon-dioxide	5000 ppm 9150 mg/m ³	-
(2-methoxymethylethoxy)propanol	50 ppm 308 mg/m ³	Sk
Oilmist, mineral oil particles	5 (8h), 1(15m) mg/m ³	-

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

Remarks

SK: Can be absorbed through skin

Control methods

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

9. Physical and chemical properties

Appearance: Clear Liquid

Flash point (°C): >65.

Odour: Mild.

Boiling point (°C): >250.

Relative density (g/ml): 0,54

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

Vapour density: >1.

10. Stability and reactivity

Stable 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

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

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. The product can penetrate the skin and can by extensive contact cause the same symptoms as by inhalation.

Eye contact

May cause eye irritation.

Long-term effects

May cause damage to the central nervous system

Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system.

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

Harmful to aquatic organisms, 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

Potentially degradable.

Bioaccumulative potential

Limited information indicates a potential to bioaccumulate.

13. Disposal considerations

Wasters, including emptied containers, are controlled wasters and should be disposed in accordance with regulation made by the local authorities.

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 ; 2.2 ; ; D

IMDG: UN 1950 ; Aerosols ; 2.2 ;

Classification code: 5A Label ADR: 2.2 Hazard identification number:

Flash point: -°C Label IMDG: 2.2 IMDG EmS.: F-D,S-U

15. Regulatory information

Hazard designation:

R-phrases

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. (R52/53)

S-phrases

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

In case of insufficient ventilation, wear suitable respiratory equipment. (S38)

Use only in well ventilated areas. (S51)

If swallowed, do not induce vomiting, seek medical advice immediately and show this container or label. (S62)

Other labelling

Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
93 % by mass of the contents are flammable.

Chemical safety assessment

Chemical safety assessment has not been performed.

16. Other information

Restrictions on use

Training requirement

No special training is required, but a thorough knowledge of this safety data 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.

R22 Harmful if swallowed.

R41 Risk of serious damage to eyes.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: May cause lung damage if swallowed.

Amendments have been made in the following sections

1, 15, 16