



Safety data sheet

Kema MG-270 Multi Grease with PTFE spray

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

Revision: 19-05-2008/ HN Replaces: 31-08-2007	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:Helle Nielsen Email: info@itw-scan.com
Product use: High performance lubrication with PTFE.	
Articlenumber: 13705	

2. Hazards identification

Extremely flammable. Irritating to skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.
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%
265-149-8	64742-47-8	Distillates (petroleum), hydrotreated light	Xn;R65	1-5 3
265-151-9	64742-49-0	Naphtha (petroleum), hydrotreated light	F; R11 Xn;R65 Xi;R38 N;R51/53 R67	20-30 3
-	68002-79-9	Ester	-	10-20
270-704-2	68476-85-7	Petroleum gases, liquefied (<0.1% 1,3-butadien)	F+;R12	30-40
232-299-0	8002-13-9	Rapeoil	-	20-30

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

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4. First aid measures

Inhalation

Remove the exposed person to fresh air. If symptoms persist seek medical advice.

Ingestion

Rinse mouth thoroughly with water.

Skin

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 spray, as it may spread the fire. Use water or water mist to cool non-ignited stock. Remove containers from the danger area if this is possible without risk. Do not inhale vapours and flue gases - seek fresh air. Fire fighters should wear self-contained breathing apparatus.

6. Accidental release measures

In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Use the same personal protective equipment as stated in section 8. Eliminate all sources of ignition. Ventilate the area. 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. Keep away from sources of ignition. No smoking.

Storage

Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50 °C. Store in a dry area.

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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. 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

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.

Remarks

Der mangler tekstUK#

Control methods

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

9. Physical and chemical properties

Appearance: Transparent grease. Aerosols

Odour: Mild oily

Solubility in water (g/100 ml): Insoluble

Vapour density: >1 (air= 1,0)

Boiling point (°C):>200

Flash point (conc)(°C): >315

Viscosity: 3000 cSt. ved 40 °C

10. Stability and reactivity

Stable under recommended storage and handling conditions. 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. Hazardous decomposition products: Carbon monoxide, carbon dioxide, smoke and oxides of nitrogen.

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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 may cause nausea. Do not provoke vomiting. May cause chemical pneumonia if the product is ingested or vomited.

Skin contact

Prolonged skin contact can cause irritation.

Eye contact

Irritant.

Long-term effects

12. Ecological information

Avoid unnecessary release to the environment.

Ecotoxicity

There have not been performed any particular tests with this product due to the design of the packaging, but on the basis of information on some of the ingredients, the product is expected to have a harmful effect on organisms living in water; may cause unwanted long-term effects in the aquatic environment.

Mobility

The product is insoluble in water.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

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



Irritant



Extremely flammable

Hazard designation: Irritant; Extremely flammable

Hazard symbols: Xi;F+

R-phrases

Extremely flammable. (R12)

Irritating to skin. (R38)

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

Vapours may cause drowsiness and dizziness. (R67)

S-phrases

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.

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 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.

R11 Highly flammable.

R12 Extremely flammable.

R38 Irritating to skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

Amendments have been made in the following sections

Changes have been made in section 1, 7, 9, 10, 14, 15 and 16.

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