



Safety data sheet

Kema FC-300 Dry Lubrication PTFE-Spray

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

Revision: 13-09-2010/ MP Replaces: 19-05-2010	Distributor: ITW Chemical Products Scandinavia Priorsvej 36 8600 Silkeborg
Product use: Dry lubricant.	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:: 17775	

2. Hazards identification

DSD/DPD-classification Extremely flammable. 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. Combustion/heating may generate decomposition products that may lead to 24-48 hours influenza-like symptoms (Polymer Fume Fever). Prolonged or repeated inhalation of vapours may cause damage to the central nervous system.

3. Composition/information on ingredients

Einecs no.	CAS No.	Substances	Classification	w/w%
200-578-6	64-17-5	ethanol	F;R11	1-5
200-661-7	67-63-0	Propan-2-ol	F;R11 Xi;R36 R67	1-5
200-662-2	67-64-1	acetone	F;R11 Xi;R36 R66 R67	10-20
270-704-2	68476-85-7	Petroleum gases, liquefied	F+;R12	70-80

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 and show this safety data sheet to the doctor.
Ingestion Wash out mouth thoroughly and drink plenty of water. Seek medical advice if symptoms persist and show this safety data sheet to the doctor.
Skin Remove contaminated clothing. Wash skin with soap and water. Use a moisture cream. Seek medical advice if symptoms persist and show this safety data sheet to the doctor.
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. 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. Please see item 8 for information on personal protection. Smoking and naked flames prohibited. Contamination of tobacco products MUST be avoided.

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. Smoking and naked flames prohibited. Wash hands before breaks, before using restroom facilities, and at the end of work.

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. In such cases a mask with an AX-filter insert is recommended.

Gloves and protective clothing

Use nitrile 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
ethanol	1000 ppm 1920 mg/m ³	-
Propan-2-ol	400 ppm 999 mg/m ³	-
acetone	500 ppm 1210 mg/m ³	-
Petroleum gases, liquefied (<0.1% 1,3-butadien)	1000 ppm, 8h; 1250 ppm, 15min; 1750 mg/m ³ , 8h; 2180 mg/m ³ , 15min.	-

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: White Paste
Flash point (°C): -18
Odour: Mild,
Solubility in water (g/100 ml): Not miscible
Relative density, vapour: (air=1) >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. toxic and acidiferous vapours, including decomposition products, that may lead to 24 -48 hrs influenza-like symptoms.

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. Combustion/heating may generate decomposition products that may lead to 24-48 hours influenza-like symptoms (Polymer Fume Fever). Inhalation of spray mist may cause irritation to the upper airways.

Ingestion

Difficult because of the packing. Ingestion may cause nausea. Do not provoke vomiting. Spray mist in mouth may irritate mucous membranes in mouth and throat.

Skin contact

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

Eye contact

May cause eye irritation.

Long-term effects

May cause damage to the central nervous system

Prolonged or repeated inhalation of vapours may cause damage to the central nervous system.

12. Ecological information

One of the components is expected to be injurious to aquatic life.

Ecotoxicity

The maximum amount of ingredient that can be dissolved in water is not expected to be 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 slowly be decomposed and inorganic part will remain.

Persistence and degradability

The product is expected to be partially or slowly biodegradable.

Bioaccumulative potential

The product is not expected to bioaccumulate.

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Kema FC-300 Dry Lubrication PTFE-Spray

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 ; 2.1 ; ; D

IMDG: UN 1950 ; Aerosols ; 2.1 ;

Classification code: 5F Label ADR: 2.1 Hazard identification number:

Flash point: -18°C Label IMDG: 2.1 IMDG EmS.: F-D,S-U

15. Regulatory information



Hazard designation:

R-phrases

Extremely flammable. (R12A)

Vapours may cause drowsiness and dizziness. (R67)

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 puncture or burn, even after use. Do not spray on a naked flame or any incandescent material.

Chemical safety assessment

Chemical safety assessment has not been performed.

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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.

R11 Highly flammable.

R12 Extremely flammable.

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Amendments have been made in the following sections

Changes have been made in section 1, 2, 3, 4, 8, 9, 11, 15 and 16

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