



Safety data sheet

Kema GDL-650 Dry Lubrication Spray

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

Revision: 21-10-2008/ MJH Replaces: 07-08-2006	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:Marlene Hesselberg Email: info@itw-scan.com
Article no.: 07385	

2. Hazards identification

Extremely flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. 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. Inhalation of spray mist from the product may cause chemical pneumonia.

3. Composition/information on ingredients

Einecs no.	CAS No.	Substances	Classification	w/w%	
203-692-4	109-66-0	pentane	F+;R12 Xn;R65 R66 R67	10-20	3
		ethanol	N;R51/53		
200-578-6	64-17-5	Propan-2-ol	F;R11	1-5	
200-661-7	67-63-0	acetone	F;R11 Xi;R36 R67	1-5	
200-662-2	67-64-1	Petroleum gases, liquefied	F;R11 Xi;R36 R66 R67	10-20	
270-704-2	68476-85-7	Naphtha (petroleum), hydrodesulfurized light,	F+;R12	40-50	
295-434-2	92045-53-9	dearomatized	F;R11 Xn;R65 Xi;R38 R67	5-15	3
		Acrylic polymer	N;R51/53		
-	-	Silicondioxide, amorphous	-	<1	
-	112945-52-5	aluminium oxides	-	<1	
215-691-6	1344-28-1		-	<1	

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

Seek fresh air. Seek medical advice if symptoms persist.

Ingestion

Wash out mouth thoroughly and drink plenty of water. Do not induce vomiting. Seek medical advice if symptoms persist.

Skin

Remove contaminated clothing. Wash skin with soap and water. 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.

7. Handling and storage

Handling

Contains organic solvents. Please see item 8 for information on personal protection. 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

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.

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	750 ppm 1810 mg/m ³	-

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: Grey/black liquid.

Flash point: <0°C

Odour: like petrol.

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

Relative density, vapour: >1 (air=1)

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.

11. Toxicological information

Acute

Inhalation

Exposure to vapour at high concentrations may have the following effects:- drowsiness. headache. nausea. Inhalation of spray mist may cause chemical pneumonia.

Ingestion

Difficult because of the packing. Ingestion may cause nausea. Do not provoke vomiting.

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

Avoid unnecessary release to the environment.

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

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)

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

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

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)

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 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.

R11 Highly flammable.

R12 Extremely flammable.

R36 Irritating to eyes.

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.

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, 6, 10, 11, 14, 15 and 16.

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