



# Safety data sheet

## Kema GM-12 Sliding Agent spray

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

Prepared on: 29-04-2008/ HN Replaces: 07-09-2007	Distributor: <b>ITW Chemical Products Scandinavia</b> <b>Priorsvej 36</b> <b>8600 Silkeborg</b> <b>Tel:(+45) 86 82 64 44 Fax:(+45) 86 82 64 64</b> <b>Emergency telephone number: +45 86 82 64 44</b> <b>Emergency telephone number between 8 and 15.30 ;</b> <b>Monday to Friday.</b> <b>Contact person:Helle Nielsen</b> <b>Email: info@itw-scan.com</b>
<b>Product use:</b> Sliding agent.	
<b>Article no.:</b> 07395	

### 2. Hazards identification

Extremely flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.
<b>Additional information</b> 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%	
270-704-2	68476-85-7	Petroleum gases, liquefied (<0.1% 1,3-butadien)	F+;R12	50-70	
-	9016-00-6	dimethicone	None	10-25	
203-692-4	109-66-0	pentane	F+;R12 Xn;R65 R66 R67 N;R51/53	10-25	3

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. If vomiting occurs, keep head low so that stomach contents do not enter lungs. Obtain medical attention.

#### 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. Keep rinsing the eye during transportation.

#### 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

In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Eliminate all sources of ignition. 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.

### 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. 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.

#### Gloves and protective clothing

Wear protective gloves made of nitrile rubber.

#### 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

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#### Control methods

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

### 9. Physical and chemical properties

Appearance: Transparent liquid.

Flash point (°C): < 0.

Odour: None.

Viscosity: 1000 cSt. at 25°C.

Relative density (g/ml): 0,61

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

Vapour density: >1 (air = 1)

### 10. Stability and reactivity

The product is stable when used in accordance with the supplier's directions. 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 acids. Hazardous decomposition products: Carbon monoxide, carbon dioxide, smoke and oxides of nitrogen. Silicon dioxide.

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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. 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

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**

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.

Remains of the product should be disposed of in accordance with regulations made by the local authorities: EWC-code 16 05 04. Empty aerosols (totally emptied for propellant) or aerosols that by accident have been punctured: EWC-code 15 01 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

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### 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)

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 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 502 g VOC/L. The limit value is 840 g VOC/L (cat. B/e)

**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.

R67 Vapours may cause drowsiness and dizziness.

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

#### Amendments have been made in the following sections

There have been made changes section 1, 7, 10, 14, 15 and 16

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