



# Safety data sheet

## Kema RH-200 Release Agent Spray

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

Revised on: 31-10-2006/ MJH Replaces: 09-09-2005	Supplier: <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: 1 1 0</b> <b>Contact person:Marlene Hesselberg</b>
<b>Product use:</b> Release agent.	
<b>Article no.:</b> 19415	

### 2. Composition/information on ingredients

<b>Einecs no.</b>	<b>CAS No.</b>	<b>Substances</b>	<b>Classification</b>	<b>w/w%</b>
203-692-4	109-66-0	pentane	F+;R12 Xn;R65 R66 R67 N;R51/53	5-15 3
270-704-2	68476-85-7	Liquefied petroleum, gas	F+;R12	70-80

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

### 3. Hazards identification

Extremely flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<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. Do not breathe vapour.

### 4. First aid measures

<b>Inhalation</b> Seek fresh air. Seek medical advice if symptoms persist.
<b>Ingestion</b> Rinse mouth thoroughly with water. Do not induce vomiting. If vomiting occurs, keep head low so that stomach contents do not enter lungs.
<b>Skin</b> Wash skin with soap and water.
<b>Eyes</b> 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.
<b>Burns</b> 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.
<b>Other information</b> 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. 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. Ventilate the area. Use the same personal protective equipment as stated in section 8. 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. Wear suitable gloves and goggles to avoid contact with skin and eyes. No smoking. To avoid the build-up of electrostatic charges, earth all containers and piping when transferring from one vessel to another.

#### Storage

Pressurised 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 in case of repeated or prolonged 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.

#### Control methods

Compliance with occupational exposure limits may be checked by occupational hygiene measurements

### 9. Physical and chemical properties

Appearance: Transparent, clear liquid.  
Odour: None.  
Solubility in water (g/100 ml): Insoluble.  
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. Silicon dioxide.

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## Kema RH-200 Release Agent Spray

### 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. Inhalation of spray mist may cause chemical pneumonia.

##### **Ingestion**

Difficult because of the packing. Ingestion may cause nausea. Do not provoke vomiting. May cause chemical pneumonia if ingested or vomited.

##### **Skin contact**

Prolonged skin contact can cause irritation.

##### **Eye contact**

Irritating to eyes. Causes a burning sensation and tearing.

#### **Long-term effects**

### 12. Ecological information

No specific biodegradability test has been carried out on this product. Avoid discharge to drain or surface water.

#### **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

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, flammable, n.o.s. ; 2.1 ;

**IMDG:** UN 1950 ; Aerosols, flammable, n.o.s. ; 2.1 ;

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

Flash point: <0°C Label IMDG: 2.1 IMDG EmS.: F-D, S-U

Transport according to ADR 1.1.3.6:

## 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)

### S-phrases

Keep away from sources of ignition - No smoking. (S16)

Take precautionary measures against static discharges. (S33)

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.

## 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 in section 2

R12 Extremely flammable.

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.

### Updates

Changes have been made in section 1, 7, 8, 13,15 and 16.

### NSF-registration

Category H1, NSF-number 129182