



# Safety data sheet

## Kema AL-800 Aluminium all Glossy

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

Prepared on: 24-01-2006/ HN Replaces:	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: 999</b> <b>Contact person:Helle Nielsen</b>
<b>Product use:</b> Alu Spray - all glossy.	
<b>Article number:</b> 01415	

### 2. Composition/information on ingredients

Einecs no.	CAS No.	Substances	Classification	w/w%	
265-199-0	64742-95-6	Solvent naphtha (petroleum), light arom.	R10 Xn;R65 Xi;R37 N;R51/53 R66 R67	30-40	3
200-662-2	67-64-1	Acetone	F;R11 Xi;R36 R66 R67	1-5	
270-704-2	68476-85-7	Petroleum gases, liquefied	F+;R12	30-40	
-	-	Aluminiumpaste, phlegmatisied	F R11;R66;67;R52/53	5-10	

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. Irritating to respiratory system. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Toxic 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.

### 4. First aid measures

<b>Inhalation</b> Seek fresh air. Seek medical advice if symptoms persist.
<b>Ingestion</b> Wash out mouth thoroughly and drink plenty of water. Seek medical advice if symptoms persist.
<b>Skin</b> Remove contaminated clothing. Wash skin with soap and water. Use a moisture cream.
<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. Keep rinsing the eye during transportation.
<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. 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. Prevent spillage from entering drains and/or surface water. 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. Smoking and naked flames prohibited. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment. See section 8 for information about precautions for use and personal protective equipment.

#### 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

Wear protective gloves of type 4H. Disposable gloves made of nitril may be used if replaced immediately when contaminated. Wear normal work wear.

#### Eye protection

Wear safety goggles if there is a risk of eye splash.

#### Occupational exposure limits

Ingredients	Exposure limit	Remarks
acetone	750 ppm 1810 mg/m <sup>3</sup>	-

#### Control methods

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

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### 9. Physical and chemical properties

Appearance: Aluminium coloured paint.  
Odour: Solvent.  
Solubility in water (g/100 ml): Insoluble

Flash point (°C): <0.

### 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. The reaction may be vigorously and violently. Combustion will generate: Carbon monoxide, carbon dioxide, smoke and oxides of nitrogen.

### 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.

#### **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**

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### 12. Ecological information

Avoid discharge to drain or surface water.

#### **Ecotoxicity**

Toxic 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. Possible remains will slowly be decomposed and inorganic part will remain.

#### **Persistence and degradability**

Contains substances which are not readily degradable.

#### **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.

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

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

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

Flash point: -1 °C Label IMDG: 2.1 IMDG EmS.: F-D, S-U

Transport according to ADR 1.1.3.6:

### 15. Regulatory information



Irritant



Extremely flammable



Dangerous for the environment

**Hazard designation:** Irritant; Extremely flammable; Dangerous for the environment

**Hazard symbols:** Xi;F+;N

#### R-phrases

Extremely flammable. (R12)

Irritating to respiratory system. (R37)

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

Vapours may cause drowsiness and dizziness. (R67)

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

#### S-phrases

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

Wear suitable gloves. (S37)

Do not breathe vapour/spray (S23-DA)

Use only in well ventilated areas. (S51)

Avoid release to the environment. Refer to special instructions/safety data sheet. (S61)

#### 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.

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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

Ikke oversat.

#### 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

R10 Flammable.

R11 Highly flammable.

R12 Extremely flammable.

R36 Irritating to eyes.

R37 Irritating to respiratory system.

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

R52/53 Harmful 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

There have been made changes in the entire datasheet.

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