



# Safety data sheet

## Kema MA-4000L MetalClean

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

Revision: 20-02-2009/ HN Replaces: 08-05-2006	Distributor: <b>ITW Chemical Products Scandinavia</b> <b>Priorsvej 36</b> <b>8600 Silkeborg</b>
<b>Product use:</b> Degreaser.	
<b>Article number:</b> 8202 (5L), 9930 (200L)	<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>

### 2. Hazards identification

Highly flammable. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: May cause lung damage if swallowed. 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. Emitted vapours may be ignited by for instance a spark, a hot surface or an ember.

### 3. Composition/information on ingredients

Einecs no.	CAS No.	Substances	Classification	w/w%
265-151-9	64742-49-0	Naphtha (petroleum), hydrotreated light	F; R11 Xn;R65 Xi;R38 N;R51/53 R67	20-30
200-662-2	67-64-1	acetone	F;R11 Xi;R36 R66 R67	10-20
295-434-2	92045-53-9	Naphtha (petroleum), hydrodesulfurized light, dearomatized	F;R11 Xn;R65 Xi;R38 R67 N;R51/53	50-60

*Please see section 16 for the full text of the R-phrases*

### 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. Do not induce vomiting. If vomiting occurs, keep head low so that stomach contents do not enter lungs. Seek medical advice if symptoms persist. If any material enters the lungs, for example during swallowing or vomiting, obtain medical attention urgently.
<b>Skin</b> Remove contaminated clothing. Wash skin with soap and water. Use a moisture cream. Seek medical advice if symptoms persist.
<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

Use the same personal protective equipment as stated in section 8. Ventilate the area. Contain and absorb spill with sand, cat litter or other absorbent material and transfer to suitable waste containers. See section 13 for instructions on disposal. Prevent spillage from entering drains and/or surface water. Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

### 7. Handling and storage

#### Handling

Contains organic solvents. See section 8 for information about precautions for use and personal protective equipment. Ensure best possible ventilation. Smoking and naked flames prohibited. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment.

#### Storage

Keep container tightly closed to avoid spillage and contamination of the product. Store in a cool place in the original packing. Storage temperature should be controlled to between 5 and 30°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.

#### 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

Use chemical resistant gloves (e.g. 4H-gloves) in case of skin contact.

#### Eye protection

Wear safety goggles/face protection.

#### Occupational exposure limits

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

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: Transperant Liquid  
Flash point (°C): < -4  
Odour: Acetone  
Density: 0,71 g/mL  
Solubility in water (g/100 ml): Insoluble

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### 10. Stability and reactivity

Stabile under recommended storage and handling conditions. The self life for the product is at least 1 years from date of production. Reacts with strong oxidizing agents. Reacts with strong acids. Reacts with strong bases.

### 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**

May cause chemical pneumonia if ingested or vomited. Same symptoms as by inhalation.

##### **Skin contact**

Irritating to skin – may cause reddening. Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking.

##### **Eye contact**

May be strongly irritating to the eyes, causing reddening and increased tear production.

#### **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

Avoid discharge to drain or surface water.

#### **Ecotoxicity**

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

#### **Mobility**

Organic solvent which evaporates readily from all surfaces.

#### **Persistence and degradability**

No data available.

#### **Bioaccumulative potential**

The product will leach into soil.

### 13. Disposal considerations

Wasters, including emptied containers, are controlled wasters and should be disposed in accordance with regulation made by the local authorities.

Remains of the product should be disposed of in accordance with regulations made by the local authorities: EWC-code 07 07 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 1993 ; Flammable liquid n.o.s (Acetone og naphtha) ; 3 ; II

**IMDG:** UN 1993 ; Flammable liquid n.o.s (Acetone og naphtha) ; - ; II

Classification code: - Label ADR: 3 Hazard identification number: -

Flash point: °C Label IMDG: - IMDG EmS.: F-E;S-E

## 15. Regulatory information



Harmful



Highly flammable



Dangerous for the environment

**Hazard designation:** Harmful; Highly flammable; Dangerous for the environment

**Hazard symbols:** Xn;F;N

### Contains

Naphtha (petroleum), hydrodesulfurized light, dearomatized, Naphtha (petroleum), hydrotreated light

### R-phrases

Highly flammable. (R11)

Irritating to skin. (R38)

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

Harmful: May cause lung damage if swallowed. (R65)

Vapours may cause drowsiness and dizziness. (R67)

### S-phrases

If swallowed, do not induce vomiting, seek medical advice immediately and show this container or label. (S62)

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

Take precautionary measures against static discharges. (S33)

Use only in well ventilated areas. (S51)

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

### Other labelling

#### Volatile organic compounds (VOC):

This product contains a maximum of 710 g VOC/L. The limit value is 850 g VOC/L (cat. B/a)

#### 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 safety data sheet should be a prerequisite condition.

#### Packaging

Bulk.

#### 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.  
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

There have been made changes section 1, 2, 3, 9, 10, 11, 15 and 16.

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