



# Safety data sheet

## Kema MA-4000 MetalClean spray

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

Revision: 23-02-2010/ MJH Replaces: 16-02-2010	Distributor: <b>ITW Chemical Products Scandinavia</b> <b>Priorsvej 36</b> <b>8600 Silkeborg</b>
<b>Product use:</b> Degreaser	
<b>Article number:</b> 13145 + 13145C	<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

Extremely flammable. Irritating to skin. Toxic 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. Irritates the skin because of degreasing effect.

### 3. Composition/information on ingredients

Einecs no.	CAS No.	Substances	Classification	w/w%
204-696-9	124-38-9	carbon-dioxide-	-	1-5
265-151-9	64742-49-0	Naphtha (petroleum), hydrotreated light	F; R11 Xn;R65 Xi;R38 N;R51/53 R67	10-20 3
200-662-2	67-64-1	acetone	F;R11 Xi;R36 R66 R67	10-20
270-704-2	68476-85-7	Petroleum gases, liquefied (<0.1% 1,3-butadien)	F+;R12	10-20
295-434-2	92045-53-9	Naphtha (petroleum), hydrodesulfurized light, dearomatized	F;R11 Xn;R65 Xi;R38 R67 N;R51/53	40-50 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

Remove the exposed person to fresh air. If symptoms persist seek medical advice.

#### Ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Seek medical advice if symptoms persist and show this safety data sheet to the doctor.

#### Skin

Remove contaminated clothing. 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.

#### 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.

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. Spillage from aerosols is very unlikely. Spillage will only appear as vapour - make sure the ventilation is sufficient.

### 7. Handling and storage

#### Handling

Contains organic solvents. See section 8 for information about precautions for use and personal protective equipment. Keep away from sources of ignition. No smoking.

#### 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. 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 chemical resistant gloves (e.g. 4H-gloves) in case of skin 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
acetone	750 ppm 1810 mg/m <sup>3</sup>	-
carbon-dioxide-	5000 ppm 9150 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. Aerosol.	Flash point (°C):< 14
Odour: solvent	
Relative density (g/ml): 0,8	
Vapour density: > 1 (air=1)	

### 10. Stability and reactivity

Stabile 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**

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. Ingestion may cause nausea. Do not provoke vomiting.

**Skin contact**

The product has a degreasing effect on the skin. Prolonged skin contact can cause irritation.

**Eye contact**

Irritant.

**Long-term effects**

### 12. Ecological information

Avoid unnecessary release to the environment.

**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**

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.

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 ; ; D

**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



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 skin. (R38)

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

Vapours may cause drowsiness and dizziness. (R67)

##### S-phrases

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

Do not breathe vapour/spray. (S23-DA)

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

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 860 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 safety data sheet should be a prerequisite condition.

#### Line of business

Industry in general

#### 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, 15 and 16.

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