



# Safety data sheet

## Kema DL-44 Degreaser

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

Revision: 25-02-2010/ MJH Replaces: 01-10-2009	Distributor: <b>ITW Chemical Products Scandinavia</b> <b>Priorsvej 36</b> <b>8600 Silkeborg</b>
<b>Product use:</b> Degreaser.	<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:Marlene Hesselberg</b> <b>Email: info@itw-scan.com</b>
<b>Article number:</b> 01175	

### 2. Hazards identification

Flammable. Irritating to skin. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Additional information</b> May cause chemical pneumonia if the product is ingested or vomited. The product releases vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

### 3. Composition/information on ingredients

Einecs no.	CAS No.	Substances	Classification	w/w%	
204-696-9	124-38-9	carbon-dioxide	None	1-5	
200-578-6	64-17-5	ethanol	F;R11	1-10	
265-151-9	64742-49-0	Naphtha (petroleum), hydrotreated light	F; R11 Xn;R65 Xi;R38 N;R51/53 R67	1-10	3
200-661-7	67-63-0	Propan-2-ol	F;R11 Xi;R36 R67	1-5	
232-433-8	8028-48-6	Orange Terpenes	R10 Xn;R38 R43 R65 N;R50/53	70-80	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. Seek medical advice if symptoms persist.

##### **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. Seek medical advice if symptoms persist.

##### **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. Ventilate the area. Use the same personal protective equipment as stated in section 8. 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. Spillage from aerosols is very unlikely.

#### **7. Handling and storage**

##### **Handling**

Contains organic solvents. 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. 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.

#### Respiratory protection

In case of insufficient ventilation, wear respiratory protective equipment with filter A2.

#### 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
carbon-dioxide-	5000 ppm 9150 mg/m <sup>3</sup>	-
ethanol	1000 ppm 1920 mg/m <sup>3</sup>	-
Propan-2-ol	400 ppm 999 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: Clear liquid - Aerosol

Flash point: 48°C

Odour: Mild orange/citrus.

Density: 0,5 g/ml

Solubility in water (g/100 ml): Insoluble

### 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

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. Ingestion may cause nausea. Do not provoke vomiting.

##### Skin contact

May cause slight irritation.

##### Eye contact

May cause eye irritation.

##### Risk of sensitization

May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering and ulceration – often slowly developing.

#### Long-term effects

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### 12. Ecological information

Avoid discharge to drain or surface water. Avoid unnecessary release to the environment.

**Ecotoxicity**

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

**Mobility**

No data available.

**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 ; ; D

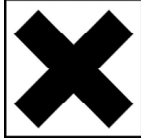
**IMDG:** UN 1950 ; Aerosols ; 2.1 ;

Classification code: Label ADR: 2.1 Hazard identification number:

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

MP: Marine Pollutant

## 15. Regulatory information



Irritant



Dangerous for the environment

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

**Hazard symbols:** Xi;N

### Contains

Orange Terpenes

### R-phrases

Flammable. (R10)

Irritating to skin. (R38)

May cause sensitisation by skin contact. (R43)

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. (R50/53)

### S-phrases

Do not breathe vapour/spray. (S23)

Avoid contact with skin. (S24)

Wear suitable gloves. (S37)

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 496 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.

R10 Flammable.

R11 Highly flammable.

R36 Irritating to eyes.

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

R65 Harmful: May cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

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

1, 9, 12 and 16.

#### NSF-registratoin

Category K3 NSF-no. 1427253

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