



# Safety data sheet

## Kema ELS-33 EI-isol

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

Revision: 19-01-2010/ MJH Replaces: 10-08-2007	Distributor: <b>ITW Chemical Products Scandinavia</b> <b>Priorsvej 36</b> <b>8600 Silkeborg</b>
<b>Product use:</b> Electrical Protection.	<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 no.:</b> 05395	

### 2. Hazards identification

<b>DSD/DPD-classification</b> Fx; N Extremely flammable. 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. Inhalation of spray mist from the product may cause chemical pneumonia.

### 3. Composition/information on ingredients

Einecs no.	CAS No.	Substances	DSD-Classification	w/w%	
265-185-4	64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	Xn;R65 R10 N;R51/53 R66 R67	30-40	3
270-704-2	68476-85-7	Petroleum gases, liquefied	F+;R12	20-30	
295-434-2	92045-53-9	Naphtha (petroleum), hydrodesulfurized light, dearomatized	F;R11 Xn;R65 Xi;R38 R67 N;R51/53	5-10	3

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

#### **4. First aid measures**

**Inhalation**

Seek fresh air. Seek medical advice if symptoms persist.

**Ingestion**

Wash out mouth thoroughly and drink plenty of water. Seek medical advice if symptoms persist. Do not induce vomiting.

**Skin**

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.

Fire fighters should wear self-contained breathing apparatus.

#### **6. Accidental release measures**

Use the same personal protective equipment as stated in section 8. Try to prevent the material from entering drains or water courses. 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. Spillage from aerosols is very unlikely. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Contain and absorb spill with sand, cat litter or other absorbent, non-combustible material and transfer to suitable waste containers. See section 13 for instructions on disposal.

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

**Handling**

Contains organic solvents. See section 8 for information about precautions for use and personal protective equipment. Smoking and naked flames prohibited.

**Storage**

Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C.

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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 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 made of nitrile rubber.

#### 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 the stated occupational exposure limits may be checked by occupational hygiene measurements.

### 9. Physical and chemical properties

Appearance: Brown wax/rubber.

Odour: Sweet, characteristic.

Solubility in water (g/100 ml): Insoluble.

Relative density, vapour: >1 (air=1)

Density: 0,75 g/mL

Flash point: >80 °C (Concentrate)

Vapour pressure: <0,1 kPa (1 mm Hg) at 20 °C

Self-ignition temperature (°C): >250 °C (Concentrate).

### 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. At high concentrations, the vapours may cause headache, dizziness, intoxication and possible unconsciousness.

#### **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**

## 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**

A part of the product is volatile and will evaporate from water and earth in a few days.

### **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

MP: Marine Pollutant

## 15. Regulatory information



Extremely flammable



Dangerous for the environment

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

**Hazard symbols:** F+; N

### R-phrases

Extremely flammable. (R12)

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 container in a well ventilated place. (S9)

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

Do not breathe vapour/spray. (S23)

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 502 g VOC/L. The limit value is 840 g VOC/L (cat. B/e)

### Chemical safety assessment

Chemical safety assessment has not been performed.

## 16. Other information

### Restrictions on use

### 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.

R12 Extremely flammable.

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

1, 7, 8, 9, 10, 14, 15 and 16