



# Safety data sheet

## Kema KK-2002 Chain Oil Clear Spray

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

Prepared on: 05-05-2008/ HN Replaces: 04-07-2007	Distributor: <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: +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>
<b>Product use:</b> Chain lubricant.	
<b>Varenummer:</b> 11845	

### 2. Hazards identification

Extremely flammable.; Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.; Vapours may cause drowsiness and dizziness.; Repeated exposure may cause skin dryness or cracking.
<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.

### 3. Composition/information on ingredients

Einecs no.	CAS No.	Substances	Classification	w/w%	
203-692-4	109-66-0	pentane	F+;R12 Xn;R65 R66 R67 N;R51/53	20-30	3
270-704-2	68476-85-7	Petroleum gases, liquefied (<0.1% 1,3-butadien)	F+;R12	20-30	
-	-	Polyalkyldiphenylamine	N R51/53	< 1	
-	-	Tert Butylphenol Derivatives	N R51/53	< 1	

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. If vomiting occurs, keep head low so that stomach contents do not enter lungs. Obtain medical attention.

#### Skin

Remove contaminated clothing. Wash the skin thoroughly with water and continue washing for a long time. Seek medical advice if symptoms persist.

#### 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

Use the same personal protective equipment as stated in section 8. 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. 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. Store in a dry area.

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### 8. Exposure controls/ personal protection

#### Precautions for use

Work under effective process ventilation (e.g. local exhaust ventilation). Smoking and naked flames prohibited.

#### 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 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.

#### Remarks

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#### Control methods

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

### 9. Physical and chemical properties

Appearance: Transparent light yellow adhesive oil. Aerosol.

Flash point (°C): 240 (Concentrat)

Odour: Slight oily.

Viscosity: 960 cSt. at 40°C

Solubility in water (g/100 ml): insoluble soluble

Vapour density: > 1 (air = 1,0).

### 10. Stability and reactivity

The product is stable when used in accordance with the supplier's directions. 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. 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. May irritate mucous membranes in mouth and gastrointestinal tract.

##### Skin contact

The product has an irritating effect on skin and prolonged contact can cause dryness and irritation.

##### Eye contact

May cause eye irritation.

#### Long-term effects

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### 12. Ecological information

Avoid discharge to drain or surface water.

#### **Ecotoxicity**

Harmful 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**

Degradability data not provided.

#### **Bioaccumulative potential**

No bioaccumulation data provided.

### 13. Disposal considerations

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

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.

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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 ; Aerosols ; 2.1 ;

**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-S; D-U

### 15. Regulatory information



Extremely flammable

**Hazard designation:** Extremely flammable

**Hazard symbols:** F+

#### R-phrases

Extremely flammable. (R12)

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. (R52/53)

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

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)

Avoid contact with skin. (S24)

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.

#### 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.

#### Line of business

Industry

#### Packaging

Spray can.

#### Sources used

#### Other information

The product should only be use 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.

R12 Extremely flammable.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

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

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

There have been made changes section 1, 7, 9, 14, 15 and 16

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