



Safety data sheet

Kema BF-22 Form protection - Red Spray

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

Prepared on: 23-11-2006/ HN Replaces:	Supplier: ITW Chemical Products Scandinavia Priorsvej 36 8600 Silkeborg Tel:(+45) 86 82 64 44 Fax:(+45) 86 82 64 64 Emergency telephone number: 999 Contact person:Helle Nielsen
Product use: Form Protection.	
Article number: 11445	

2. Composition/information on ingredients

Einecs no.	CAS No.	Substances	Classification	w/w%	
206-016-6	287-92-3	cyclopentane	F;R11 R52/53	20-30	
226-097-1	5274-68-0	3, 6, 9, 12-Tetraoxatetracosan-1-ol	Xi; R41, N; R50	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
265-185-4	64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	Xn;R65 R10 N;R51/53 R66 R67	5-10	3
270-704-2	68476-85-7	Liquefied petroleum, gas	F+;R12	40-50	

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

3. Hazards identification

Extremely flammable. Vapours may cause drowsiness and dizziness. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Additional information 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.

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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. 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. Prevent spillage from entering drains and/or surface water. 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. 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.

7. Handling and storage

Handling

Contains organic solvents. Smoking and naked flames prohibited. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment. 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.

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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

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.

Control methods

Compliance with occupational exposure limits may be checked by occupational hygiene measurements

9. Physical and chemical properties

Appearance: Red Fluid

Flash point (°C): <0°C.

Odour: Mild

Relative density (g/ml): 0,64

Solubility in water (g/100 ml): Soluble

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

10. Stability and reactivity

Durability for the aerosol is at least 3 years from date of production, but it can be used for up to 5 years 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.

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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.

Skin contact

May irritate the skin – may cause reddening. 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

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

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.

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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, flammable, n.o.s. ; 2.1 ;

IMDG: UN 1950 ; Aerosols, flammable, n.o.s. ; 2.1 ;

Classification code: 5F Label ADR: 2.1 Hazard identification number:

Flash point: °C Label IMDG: 2.1 IMDG EmS.: FD-SU

Transport according to ADR 1.1.3.6:

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)

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

Irritating to skin. (R38)

Vapours may cause drowsiness and dizziness. (R67)

S-phrases

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

Take precautionary measures against static discharges. (S33)

Wear suitable gloves. (S37)

Do not breathe vapour/spray (S23-DA)

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 puncture or burn, even after use. Do not spray on a naked flame or any incandescent material.

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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

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 in section 2

R10 Flammable.

R11 Highly flammable.

R12 Extremely flammable.

R15 Contact with water liberates extremely flammable gases.

R38 Irritating to skin.

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.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Updates

1. Version

ITW Chemical Products Scandinavia Priorsvej 36, 8600 Silkeborg +45 86 82 64 44/+45 86 82 64 64 (Made in Toxido®)