



Safety data sheet

Kema PS-201 Rust Protection Black Spray

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

Revision: 05-01-2009/ HN Replaces: 06-06-2006	Distributor: ITW Chemical Products Scandinavia Priorsvej 36 8600 Silkeborg
Product use: Rust protection.	Tel:(+45) 86 82 64 44 Fax:(+45) 86 82 64 64 Emergency telephone number: +45 86 82 64 44 Emergency telephone number between 8 and 15.30 ; Monday to Friday. Contact person:Helle Nielsen Email: info@itw-scan.com
Article number: 21475	

2. Hazards identification

Extremely flammable. Irritating to skin. Harmful by inhalation and in contact with skin. 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. Persons with a known allergy to Isodecyloxypropylamine acetate may exhibit an allergic response to the product.

3. Composition/information on ingredients

Einecs no.	CAS No.	Substances	Classification	w/w%
203-542-8	108-01-0	Dimethylaminoethanol	R10 Xn;R20/21/22 C;R34	<1
203-603-9	108-65-6	1-Methoxypropylacetate	R10 Xi;R36	<1
203-448-7	106-97-8	butane (< 0,1 % butadiene (203-450-8))	F+;R12	10-30
200-857-2	75-28-5	isobutane (containing >= 0.1% butadiene	F+;R12	5-10
249-166-8	28701-67-9	Isodecyloxypropylamine acetate	Xn; R22, C; R34, Xi; R37, R43, N; <1 R50/53	<1
265-151-9	64742-49-0	Naphtha (petroleum), hydrotreated light	F; R11 Xn;R65 Xi;R38 N;R51/53 R67	10-30 3
200-827-9	74-98-6	propane	F+;R12	10-30
-	8052-41-3	Stoddard solvent	R10 Xn;R48/20 R65 N;R51/53	<1 3
215-535-7	1330-20-7	xylene	R10 Xn;R20/21 Xi;R38	10-30

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

Do not induce vomiting. Wash out mouth thoroughly and drink plenty of water. If vomiting occurs, keep head low so that stomach contents do not enter lungs. 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 spray, as it may spread the fire. Use water or water mist to cool non-ignited stock. Remove containers from the danger area if this is possible without risk. CAUTION! Aerosol containers may explode. Do not inhale vapours 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. Use the same personal protective equipment as stated in section 8. Eliminate all sources of ignition. Ventilate the area. 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. Avoid direct contact with the product. 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.

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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 nitrile gloves if there is a risk 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
butane (< 0,1 % butadiene (203-450-8))	600 ppm 1450 mg/m ³	-
Dimethylaminoethanol	2 ppm 7.4 mg/m ³	-
1-Methoxypropylacetate	50 ppm 274 mg/m ³	-
xylene	100 ppm 441 mg/m ³	Sk

The exposure limits stated are in accordance with EH40/2002 Occupational Exposure Limits 2002.

Remarks

SK: Can be absorbed through skin

Control methods

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

9. Physical and chemical properties

Appearance: Aerosol, Black Rubberyfilm

Explosive properties (vol% in air): 0,8-9,0

Odour: Characteristic.

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

10. Stability and reactivity

The product is stable when used in accordance with the supplier's directions. Avoid heating and contact with ignition sources. Reacts with strong oxidizing agents. Reacts with strong acids. Reacts with strong bases. Combustion will generate: Carbon monoxide (CO) and Carbon dioxide (CO₂).

11. Toxicological information

Acute

Inhalation

Harmful by 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. Ingestions in connection with accidents can cause vomiting and pain in the stomach. Ingestion may cause nausea. Do not provoke vomiting.

Skin contact

Harmful in contact with skin. Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking. Prolonged or repeated contact with the skin can cause irritation and lead to dermatitis and allergy. The product can penetrate the skin and can by extensive contact cause the same symptoms as by inhalation.

Eye contact

Irritant. May cause superficial burns, pains, watery eyes and cramps in eyelids.

Risk of sensitization

The product contains small amounts of Isodecyloxypropylamine acetate. Persons with a known allergy may exhibit an allergic response to the product.

Long-term effects

12. Ecological information

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

Ecotoxicity

Harmful 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.

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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 ; ; 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



Harmful



Extremely flammable

Hazard designation: Harmful; Extremely flammable

Hazard symbols: Xn;F+

Contains

xylene

R-phrases

Extremely flammable. (R12)

Irritating to skin. (R38)

Harmful by inhalation and in contact with skin. (R20/21)

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

S-phrases

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

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

Avoid contact with skin. (S24)

Wear suitable protective clothing and gloves. (S36/37)

In case of insufficient ventilation, wear suitable respiratory equipment. (S38)

This material and its container must be disposed of as hazardous waste. (S60)

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. Contains Isodecyloxypropylamine acetate. May produce an allergic reaction.

Volatile organic compounds (VOC):

This product contains a maximum of 564 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.

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.

R20/21 Harmful by inhalation and in contact with skin.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R22 Harmful if swallowed.

R34 Causes burns.

R34 Causes burns.

R36 Irritating to eyes.

R37 Irritating to respiratory system.

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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

Changes have been made in section 1, 2, 3, 4, 5, 7, 9, 10, 11, 12, 14, 15 and 16.

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