



Safety data sheet

Kema ZN-595L Zinc primer

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

Revision: 11-03-2008/ HN Replaces: 07-01-2008	Supplier: ITW Chemical Products Scandinavia Priorsvej 36 8600 Silkeborg 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
Product use: Zinc primer.	
Article no.: 8710	

2. Hazards identification

Flammable. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

3. Composition/information on ingredients

Einecs no.	CAS No.	Substances	Classification	w/w%	
231-175-3	7440-66-6	zinc powder - zinc dust (pyrophoric)	N; R50/53	25-50	
265-199-0	64742-95-6	Solvent naphtha (petroleum), light arom.	R10 Xn; R65 Xi; R37 N; R51/53 R66 R67	10-25	4
215-535-7	1330-20-7	xylene	R10 Xn; R20/21 Xi; R38	2,5-10	
	1305-78-8	Calciumoxide	R41	<2,5	4
265-185-4	64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	Xn; R65 R10 N; R51/53 R66 R67	<2,5	

4) R65 is not applicable due to the high viscosity of the product.
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.
Skin Generally the product has no irritating effect on skin.
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. Keep rinsing the eye during transportation.
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.

Revision: 11-03-2008/HN
Replaces: 07-01-2008

Kema ZN-595L Zinc primer

5. Fire-fighting measures

Extinguish with powder, foam or carbon dioxide. Do not use water spray, as it may spread the fire. Remove larger stocks of containers from the danger area if this is possible without risk. Do not inhale vapours 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. Prevent spillage from entering drains and/or surface water. 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. 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

Keep away from sources of ignition. The product should be stored in a dry place in a tightly sealed container. Store in a cool place in the original packing.

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

In case of intensive or longer exposure use self-contained respiratory protective device. In most cases a mask with a filter insert for hydrocarbon solvents is adequate.

Gloves and protective clothing

Wear protective gloves of type 4H. Disposable gloves made of nitrile may be used if replaced immediately when contaminated. Wear normal work wear.

Eye protection

Wear safety goggles if there is a risk of eye splash.

Occupational exposure limits

Ingredients	Exposure limit	Remarks
xylene	100 ppm 441 mg/m ³	Sk
Propan-2-ol	400 ppm 999 mg/m ³	-

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

9. Physical and chemical properties

Appearance: Aluminiumcoloured paint.	Flash point (°C): 30.
Odour: Characteristic.	Flammability (°C): 450.
Boiling point (°C): 137.	Explosive properties (vol% in air): 0,7 - 7,5.
Relative density (g/ml): 1,84-2,19.	Vapour pressure: 5 hPa
Solubility in water (g/100 ml): Insoluble or heavily soluble.	Viscosity: (Kinematisk at 20°C) 60-80 s (DIN 53211/4)

Revision: 11-03-2008/HN
Replaces: 07-01-2008

Kema ZN-595L Zinc primer

10. Stability and reactivity

Stabile under recommended storage and handling conditions. Combustion will generate: Carbon monoxide (CO) and Carbon dioxide (CO₂).

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

Ingestion may cause nausea. Do not provoke vomiting. May cause chemical pneumonia if ingested or vomited.

Skin contact

Degreases the skin. Long-term exposure may cause irritation and possible infection. Can be absorbed through the skin causing symptoms such as dizziness and headache.

Eye contact

May cause eye irritation.

Long-term effects

None known.

12. Ecological information

Avoid discharge to drain or surface water.

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.

EWC code: Depends on line of business and use, for instance 08 01 12.

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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 1263 ; Paint related product ; 3 ; III

IMDG: UN 1263 ; Paint related product ; ; III

Classification code: Label ADR: 3 Hazard identification number:

Flash point: 30 °C Label IMDG: IMDG EmS.: F-E, S-E

15. Regulatory information



Hazard designation: Dangerous for the environment

Hazard symbols: N

R-phrases

Flammable. (R10)

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

Vapours may cause drowsiness and dizziness. (R67)

S-phrases

Keep out of the reach of children. (S2)

Avoid contact with eyes. (S25)

Do not empty drains, dispose of this material and its container to hazardous or special waste collection point. (S29/56)

If swallowed seek medical advice immediately and show this container or label. ()

If swallowed seek medical advice immediately and show this container or label. (S46)

Other labelling

Volatile organic compounds (VOC):

This product contains a maximum of 464 g VOC/L. The limit value is 600 g VOC/L (cat. A/i)

Chemical safety assessment

Chemical safety assessment has not been performed.

Revision: 11-03-2008/HN
Replaces: 07-01-2008

Kema ZN-595L Zinc primer

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

Can

Sources used

Other information

The product should only be used for the stated application or applications.

The information in this MSDS is based on our present state of knowledge and on current EEC and national laws. The user's own working conditions are beyond our knowledge and control. The information in this MSDS is meant as a description of the safety requirements of our product: it may not be considered as a guarantee of the product's properties.

Full text of the R-phrases that are stated in section 3.

R10 Flammable.

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

R37 Irritating to respiratory system.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

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.

Amendments have been made in the following sections

Changes have been made in section 1, 14 and 16.

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