

SAFETY DATA SHEET

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Revision nr : 5

Date : 3/2/2006

Supersedes : 2/12/2005

HARDENER NO 9

HARDENER NO 9

www.lisam.com



Irritant

Producer

Visprox B.V.

Grijpensteinweg 19

2014 KX Haarlem Nederland

Tel. : (31) 023-5248131

Fax: (31) 023-5247862

Only in case of emergency call Visprox bv tel (+31)(0)

653293433

Responsible for distribution

Printex Marking Technologies

12113 Kirkham Rd

Poway, CA 92064

Tel 800.982.1928

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Identification of the product : Viscous liquid.
Trade name : HARDENER NO 9
Type of product : Ink additive.
Use : Industrial.
Producer/Manufacturer : See address above.
EMERGENCY TELEPHONE: : CHEMTREC (800-424-9300 within US) Outside US (703-527-3887)

2 COMPOSITION / INFORMATION ON INGREDIENTS

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS No / EC No / EC Index	Symbol(s)	R-Phrase(s)
<u>N-(3-(trimethoxysilyl)propyl) ethylenediamine</u>	: 90 to 100 %	1760-24-3 / 217-164-6 / ----	Xi	36/38-43

VOC(w%): 0

3 HAZARDS IDENTIFICATION

Main hazards : May cause sensitization by skin contact.
Irritating to eyes and skin.

4 FIRST AID MEASURES

- Inhalation : If not breathing, give artificial respiration.
Remove victim to fresh air.
- Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- Eye contact : Seek medical advice.
In case of eye contact, immediately rinse with clean water for 10-15 minutes.
- Ingestion : If swallowed seek medical advice immediately and show this container or label.
DO NOT INDUCE VOMITING.
Rinse mouth.
Give water to drink.
Depending on condition of the victim : Obtain medical attention.

5 FIRE-FIGHTING MEASURES

Extinguishing media : Dry chemical.
Carbon dioxide.
Alcohol resistant foam.
- Not to be used : Water.
Special exposure hazards : When heated to decomposition, emits dangerous fumes.
Protection against fire : Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

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6 ACCIDENTAL RELEASE MEASURES

- Personal precautions : Wear suitable protective clothing and gloves.
Environmental precautions : Prevent entry to sewers and public waters.
After spillage and/or leakage : Clean up any spills as soon as possible, using a non-flammable, absorbent material to collect it.

7 HANDLING AND STORAGE

- General : Avoid all unnecessary exposure.
Store according to PGS 15.
Precautions in handling and storage : Good ventilation of the workplace required.
Take precautionary measures against static discharges.
Storage : Close cover tightly after use.
Keep away from food, drink and animal feeding stuffs.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Hand protection : Nitrilrubber Gloves.
- Skin protection : Wear suitable protective clothing.
- Eye protection : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : Liquid.
Colour : Clear.
Odour : Characteristic.
pH value : 10.2
Initial boiling point [°C] : 74
Final boiling point [°C] : 101
Density : 1.03
Flash point [°C] : 90

10 STABILITY AND REACTIVITY

- Hazardous decomposition products : On exposure to high temperature, may decompose, releasing toxic/flammable vapours.
Materials to avoid : Strong oxidizers.
Strong acids.
Conditions to avoid : Extremely high or low temperatures.
Moisture.

11 TOXICOLOGICAL INFORMATION

- Rat oral LD50 [mg/kg] : 7684
Rabbit dermal LD50 [mg/kg] : >2000
Rat inhalation LC50 [mg/l/4h] : >20

12 ECOLOGICAL INFORMATION

- ABM(The Netherlands) : {8} Harmful to aquatic organisms.
Contains substances dangerous to the aquatic environment.
Cleansing effort A
Biodegradation [%] : 50
LC50-96 Hour - fish [mg/l] : >300

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12 ECOLOGICAL INFORMATION (continued)

48 Hour-EC50 - Daphnia magna [mg/l] : 81
IC50 72h Algae [mg/l] : 126
COD-value [mg/l] : No data available.
BOD5-value [mg/l] : No data available.
WGK class (Germany) : 1

13 DISPOSAL CONSIDERATIONS

Disposal : Dispose in a safe manner in accordance with local/national regulations.
Industrial waste number : Eural:200127.

14 TRANSPORT INFORMATION

General information : "Not dangerous " according to directive 2001/60/EC.

15 REGULATORY INFORMATION

Symbol(s) : Irritant.
R Phrase(s) : R36/38 : Irritating to eyes and skin.
R43 : May cause sensitization by skin contact.
S Phrase(s) : S24 : Avoid contact with skin.
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35 : This material and its container must be disposed of in a safe way.
S37 : Wear suitable gloves.
S51 : Use only in well-ventilated areas.
S59 : Refer to manufacturer/supplier for information on recovery/recycling.
P Phrase(s) : P201-For professional use only.

16 OTHER INFORMATION

Text of R-Phrases in § 2 : R36/38 : Irritating to eyes and skin.
R43 : May cause sensitization by skin contact.

The contents and format of this SDS are in accordance with EEC Commission Directive 2001/58/EC.

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