

SAFETY DATA SHEET

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Revision nr : 5

Date : 24/1/2006

Supersedes : 8/7/2005

THINNER 9957

NO 82

www.lisam.com



Harmful

Producer

Visprox B.V.

Grijpensteinweg 19

2014 KX Haarlem Nederland

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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 : Liquid.
Trade name : THINNER 9957
Type of product : Solvent.
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>Gamma-butyrolacton</u>	: 20 to 30 %	96-48-0 / 202-509-5 / -----	Xn	22-41
<u>Ethyl-3-ethoxypropionate</u>	: 20 to 30 %	763-69-9 / 212-112-9 / -----		52/53
<u>3,5,5-trimethylcyclohex-2-enone</u>	: 15 to 24 %	78-59-1 / 201-126-0 / 606-012-00-8	Xn	21/22-36/37-40

VOC(w%): 100

3 HAZARDS IDENTIFICATION

Main hazards : Irritating to respiratory system.
Limited evidence of a carcinogenic effect.
Harmful in contact with skin and if swallowed.
Risk of serious damage to eyes.

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.
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 : Heavier than air, vapours may travel long distances along ground, ignite and flash

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5 FIRE-FIGHTING MEASURES (continued)

- back to source.
When heated to decomposition, emits dangerous fumes.
- Protection against fire : Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

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 : Both local exhaust and good general room ventilation must be provided not only to control exposure but also to prevent formation of flammable mixtures.
Take precautionary measures against static discharges.
Use only non-sparking tools.
- 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.
- Occupational Exposure Limits : Gamma-butyrolacton : MAC [ppm] : unknown
Ethyl-3-ethoxypropionate : MAC [ppm] : 50
3,5,5-trimethylcyclohex-2-enone : MAC [mg/m³] : 25
3,5,5-trimethylcyclohex-2-enone : MAC [ppm] : 5

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : Liquid.
Colour : Clear.
Odour : Characteristic.
Initial boiling point [°C] : 170
Final boiling point [°C] : 225
Density : 1.0
Vapour pressure [hPa] : 2
Flash point [°C] : 62
Auto-ignition temperature [°C] : 377
Explosion limits - lower [%] : 0.9
Explosion limits - upper [%] : 8.0

10 STABILITY AND REACTIVITY

- Hazardous decomposition products : On exposure to high temperature, may decompose, releasing toxic/flammable vapours.
- Materials to avoid : Strong acids.
Strong alkalis.
Strong oxidizers.

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11 TOXICOLOGICAL INFORMATION

Rat oral LD50 [mg/kg]	: >1500
Rabbit dermal LD50 [mg/kg]	: >1500
Rat inhalation LC50 [mg/l/4h]	: >10
On ingredients	: Gamma-butyrolacton : Rat oral LD50 [mg/kg] : 1580 Gamma-butyrolacton : Rat inhalation LC50 [mg/l/4h] : 5.1 Gamma-butyrolacton : Mutagenicity : No known effects from this product. Gamma-butyrolacton : Reproductive toxicity : No effects on laboratory animals. Gamma-butyrolacton : Acute effects general : Irritation to eyes, skin and respiratory tract. Gamma-butyrolacton : Acute effects at high concentrations : Dizziness, drowsiness, confusion, headache, feeling of drunkenness and conscience impairment, Ethyl-3-ethoxypropionate : Rat oral LD50 [mg/kg] : 4300 Ethyl-3-ethoxypropionate : Rabbit dermal LD50 [mg/kg] : > 20 Ethyl-3-ethoxypropionate : Rat inhalation LC50 [mg/l/4h] : > 1000 Ethyl-3-ethoxypropionate : Sensitization : No known effects from this product. Ethyl-3-ethoxypropionate : Acute effects general : Irritation to eyes. Ethyl-3-ethoxypropionate : Acute effects at high concentrations : Dizziness, drowsiness, confusion, headache, feeling of drunkenness and conscience impairment, Ethyl-3-ethoxypropionate : Chronic effects : Repeated or prolonged skin contact may cause dermatitis and defatting. 3,5,5-trimethylcyclohex-2-enone : - Dermal : Absorbed through the skin. 3,5,5-trimethylcyclohex-2-enone : Rabbit oral LD50 [mg/kg] : 1500 3,5,5-trimethylcyclohex-2-enone : Rabbit dermal LD50 [mg/kg] : 1500 3,5,5-trimethylcyclohex-2-enone : Carcinogenicity : Cancer suspected agent. 3,5,5-trimethylcyclohex-2-enone : Acute effects general : Irritation to eyes, skin and respiratory tract. 3,5,5-trimethylcyclohex-2-enone : Acute effects at high concentrations : Dizziness, drowsiness, confusion, headache, feeling of drunkenness and conscience impairment, 3,5,5-trimethylcyclohex-2-enone : Chronic effects : Longterm or repeated exposure can result in:redness, dryness, irritation, rash and inflammation of the skin and damage of kidney and liver.

12 ECOLOGICAL INFORMATION

ABM(The Netherlands)	: {8} Harmful to aquatic organisms. Contains substances dangerous to the aquatic environment. Cleansing effort A
LC50-96 Hour - fish [mg/l]	: 18-24
48 Hour-EC50 - Daphnia magna [mg/l]	: 112-150
IC50 72h Algae [mg/l]	: No data available.
COD-value [mg/l]	: No data available.
BOD5-value [mg/l]	: No data available.
On ingredients	: Gamma-butyrolacton : Biodegradation [%] : 62 to 90 Gamma-butyrolacton : 48 H-LC50 - Daphnia magna [mg/l] : > 500 Gamma-butyrolacton : L.idus LC50 (mg/l) : > 220 Gamma-butyrolacton : IC50 72h Algae [mg/l] : 360 Gamma-butyrolacton : WGK class (Germany) : 1 Ethyl-3-ethoxypropionate : Surface water poluting. : Weakly. Ethyl-3-ethoxypropionate : Risk of drinking water polution (ground water). : Yes. Ethyl-3-ethoxypropionate : LC50-96 Hour - fish [mg/l] : 65 Ethyl-3-ethoxypropionate : 48 H-LC50 - Daphnia magna [mg/l] : > 480 Ethyl-3-ethoxypropionate : IC50 72h Algae [mg/l] : > 115 Ethyl-3-ethoxypropionate : WGK class (Germany) : 1 3,5,5-trimethylcyclohex-2-enone : Surface water poluting. : Yes. 3,5,5-trimethylcyclohex-2-enone : Risk of drinking water polution (ground water). : Yes. 3,5,5-trimethylcyclohex-2-enone : LC50-96 Hour - fish [mg/l] : 185 3,5,5-trimethylcyclohex-2-enone : WGK class (Germany) : 2

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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) : Harmful.
R Phrase(s) : R21/22 : Harmful in contact with skin and if swallowed.
R37 : Irritating to respiratory system.
R40 : Limited evidence of a carcinogenic effect.
R41 : Risk of serious damage to eyes.
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.
S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
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.
Labelling : Contains :
Butyrolactone.

16 OTHER INFORMATION

Text of R-Phrases in § 2 : R21/22 : Harmful in contact with skin and if swallowed.
R22 : Harmful if swallowed.
R36/37 : Irritating to eyes and respiratory system.
R40 : Limited evidence of a carcinogenic effect.
R41 : Risk of serious damage to eyes.
R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

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