

SAFETY DATA SHEET

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Revision nr : 5

Date : 24/1/2006

Supersedes : 7/7/2005

THINNER V2057

NO 80

www.lisam.com

Producer

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653293433

Responsible for distribution

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Poway, CA 92064
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Harmful

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

Identification of the product : Liquid.
Trade name : V2057
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>Ethyl-3-ethoxypropionate</u>	: 45 to 55 %	763-69-9 / 212-112-9 / ----		52/53
VOC(w%): 100				

3 HAZARDS IDENTIFICATION

Main hazards : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 : When heated to decomposition, emits dangerous fumes.
Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.
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.

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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 : Ethyl-3-ethoxypropionate : MAC [ppm] : 50

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : Liquid.
- Odour : Characteristic.
- Initial boiling point [°C] : 169
- Final boiling point [°C] : 225
- Density : 1.0
- Vapour pressure [hPa] : 4.8
- Flash point [°C] : >61
- Auto-ignition temperature [°C] : 370
- 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 oxidizers.
Strong alkalis.
Strong acids.

11 TOXICOLOGICAL INFORMATION

- Rat oral LD50 [mg/kg] : 4300
- Rabbit dermal LD50 [mg/kg] : >40
- Rat inhalation LC50 [mg/l/4h] : >1000
- On ingredients : 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.

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12 ECOLOGICAL INFORMATION

ABM(The Netherlands)	: {9} Harmful to aquatic organisms. Cleaving effort B
LC50-96 Hour - fish [mg/l]	: 40
48 Hour-EC50 - Daphnia magna [mg/l]	: 300
IC50 72h Algae [mg/l]	: No data available.
COD-value [mg/l]	: No data available.
BOD	: BOD5 : 44%.
BOD5-value [mg/l]	: No data available.
Persistence and degradability	: Biodegradable.
WGK class (Germany)	: 1
On ingredients	: 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

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.
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15 REGULATORY INFORMATION

Symbol(s)	: None.
R Phrase(s)	: R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S Phrase(s)	: S35 : This material and its container must be disposed of in a safe way. S51 : Use only in well-ventilated areas. S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.
P Phrase(s)	: P201-For professional use only.

16 OTHER INFORMATION

Text of R-Phrases in § 2	: R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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The contents and format of this SDS are in accordance with EEC Commission Directive 2001/58/EC.

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