

SAFETY DATA SHEET



Trade Name: Alphatin

Page 1 of 6

1. Identification

Commercial Product Name: Alphatin

Manufacturer: Milchan Bros Ltd. (Liad Chemicals Ltd.)
10 Abba Eban Blvd., 46733 Herzelia, Israel
P.O.B 12381
Tel. 09-9611111
Fax. 09-9611120

2. Composition/Information on Ingredients

Chemical characterization

Hazardous ingredients:

Chemical name	CAS-No	EINECS-No	Concentration (%)	Classification
1-Naphthalene acetic acid	86-87-3	201-705-8	>50	R22, R37/38, R41, Xn
Potassium hydroxide	1310-58-3	215-181-3	>20	R22, R35, C
Poly (oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-	37205-87-1	-	>30	-
HEDTA trisodium	139-89-9	205-381-9	>10	R36, Xi

(See full text of R-phrases in chapter 16.)

3. Hazards Identification

Human health hazard:

R35: Causes severe burns.

R22: Harmful if swallowed.

R41: Risk of serious damage to the eyes.

4. First Aid Measures

Symptoms: Corrosive material. Causes severe skin and eye burns. Destructive to the tissue of the mucous membranes and upper respiratory tract. May be harmful if inhaled. May cause severe and permanent damage to the digestive tract. Harmful if swallowed. Symptoms of exposure may include burning sensation, coughing, sneezing, nausea and diarrhea.

Skin contact: Immediately remove contaminated clothing and shoes, unless it is stuck to the skin. Flush skin with plenty of water for 15 minutes. Localize possible burning signals. Get medical attention if irritation develops or persists. Do not smear any cream on chemical burns. Do not remove "dead skin" or "detonate" any bladders. Cool burned areas with water, cover with cloth or bandage for chemical burns and evacuate victim to hospital.

SAFETY DATA SHEET



Trade Name: Alphatin

Page 2 of 6

Eyes contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention.

Ingestion: **Do NOT** induce vomiting. If victim is conscious and alert, give water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation: Using protective gear, remove victim from site of exposure and move to fresh air immediately. Have victim lie or sit comfortably. If he has difficulty in breathing, have him sit with back straight and administer oxygen, if possible. If victim is unconscious, perform resuscitation and then immediately transfer to medical personnel. If victim suffers from burns in respiratory tract, have him erectly sit, release tensioned clothing and cool chest area with water. Keep eye contact with victim and make sure he continues breathing.

5. Fire-Fighting Measures

Flammability: N/A.

Suitable extinguishing media: Use water spray jet, dry chemical, CO2 or foam.

As in any fire, wear a self-contained breathing apparatus in pressure-demand, and full protective gear.

Estimated NFPA: H: 3 F: 1 R: 0

6. Accidental Release Measures

Wear full protective clothing for corrosive materials including boots. Evacuate personnel.

Stop the leakage if you can do so without risk. Absorb spill with inert material (e.g. vermiculite, sand or earth) then place in suitable container for later disposal. Check local regulations before dumping waste or disposing of liquids in drainage system. Wash contaminated area with large amounts of water and soap. Recover the cleaning water for subsequent disposal. Prevent the product from spreading into the environment.


7. Handling and Storage

Keep in well-ventilated place. Keep out of the reach of children. Keep away from incompatible materials (see section 10).

Safety phrases

S01/02: Keep locked up and out of the reach of children.

S23: Do not breathe vapor.

SAFETY DATA SHEET	
Trade Name: Alphatin	Page 3 of 6

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)

Keep containers tightly closed.
Store in a cool, dry and well-ventilated place.
Keep away from oxidizing agents and acids.
Keep away from heat, sparks and open flame.

8. Exposure Control and Personal Protection

Threshold values:

Potassium hydroxide

ACGIH-TLV 2 mg/m³ (CEIL)

NIOSH-REL 2 mg/m³ (CEIL)

Personal Protective equipment: Personal protection is a function of exposure. It is recommended to use safety goggles, working clothes or lab coat, boots and apron. Working should be done in a well-ventilated area. In addition: mask, filter and full protective clothing for corrosive materials including gloves, protective apron, splash goggles and boots.

Respiratory protection: Appropriate protective mask and filter. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

Skin Protection: Wear appropriate protective gloves to prevent skin exposure.

In case of an emergency: Full protective gear and a self-contained breathing apparatus should be used according to the severity.

9. Physical and Chemical Properties

General information:

Form: Liquid

Color: Light brown

Odor: N/A

Boiling point °C: N/A

Freezing point °C: N/A

Molecular weight: N/A

SAFETY DATA SHEET



Trade Name: Alphatin

Page 4 of 6

Density g/cm³ (20°C): 1.191
Vapor density (air=1): N/A
Vapor pressure (mmHg) (20°C): N/A
Solubility (in water): Soluble
pH: 10.1, basic
Flash point °C: N/A
Auto-ignition temperature °C: N/A
LEL: N/A UEL: N/A
Viscosity (20°C): N/A

10. Stability and Reactivity

Hazardous polymerization: Will not occur.

Chemical reactivity: Stable under ordinary conditions. Corrosive liquid. Keep away from oxidizing agents and acids. Keep away from heat, sparks and open flame.

Hazardous decomposition products: Toxic and irritating fumes.

11. Toxicological Information

1-Naphthalene acetic acid

LD₅₀ (Oral rat) 1000 mg/kg
LD₅₀ (Intraperitoneal rat) 100 mg/kg
LD₅₀ (Oral mouse) 743 mg/kg
LD₅₀ (Intraperitoneal mouse) 609 mg/kg
LD₅₀ (Subcutaneous mouse) 733 mg/kg
LD₅₀ (Administration onto the skin rabbit) > 5000 mg/kg

Potassium hydroxide

LD₅₀ (Oral rat) 273 mg/kg


Carcinogenicity: N/A.

12. Ecological Information

Environmental hazards:

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

Toxicity data:

SAFETY DATA SHEET	
Trade Name: Alphatin	Page 5 of 6

Potassium hydroxide: LC50/96h (Mosquito fish) 80 mg/L

Biodegradability: No data available.

13. Disposal Considerations

According to the Israeli regulations, a holder of this waste must evacuate it as soon as possible and not later than 6 months after the production of the waste, to the Ramat-Hovav waste site. The waste should be packed and transported according to the regulations. For packing group and transport classification of the waste refer to section 14.

14: Transport Information

Land:

UN recommendations: UN 1760

Proper Shipping Name: CORROSIVE LIQUID, N.O.S.

Hazard Class: 8

Packing Group: III

LABEL: 'CORROSIVE SUBSTANCES'

HAZCHEM: 2X

Sea transport: IMDG: UN 1760

Class: 8

Proper Technical Name: CORROSIVE LIQUID, N.O.S.

Packing group: III

Air transport:

ICAO/IATA: UN 1760

Class: 8

Proper Technical Name: CORROSIVE LIQUID, N.O.S.

Packing group: III


15. Regulatory Information

Labeling in accordance with EC directives

Symbol and indicating of hazard: C



R-phrases:

SAFETY DATA SHEET	
Trade Name: Alphatin	Page 6 of 6

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16. Other Information

Full text of R-phrases appearing in section 2:

R35: Causes severe burns.
R22: Harmful if swallowed.
R36: Irritating to eyes.
R37/38: Irritating to eyes and skin.
R41: Risk of serious damage to the eyes.

Date of issue: March 3rd, 2008

The information herein is based on the present state of our knowledge. It is believed to be correct but is not necessarily all inclusive and shall be used only as a guide. Milchan Bros Ltd, and Haz-Mat Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product. For further information, contact Milchan Bros Ltd. or contact Haz-Mat at hazmat@hazmat.co.il.