

Alsa Clear Hardener AC138H

Material Safety Data Sheet dated December 2, 2004.

G1. IDENTIFICATION OF THE PRODUCT AND OF THE PRODUCER

Trade name: **Alsa Clear Hardener AC138H**

Trade code: **Alsa Clear Hardener AC138H**

Seller: Alsa Corporation
2640 E. 37th Street
Vernon, CA 90058
Tel: 323-581-5200

Emergency telephone number of the company and/or of an authorised advisory center:
Infotrac Chemical Emergency Response – 800-535-5053 / 352-323-3500

G2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

7% - 10% Butyl Cellosolve Acetate

N.67/548/CEE: 607-038-00-2

CAS: 112-07-2

EINECS: 203-933-3

Xn Harmful

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

7% - 10% ethylbenzene

N.67/548/CEE: 601-023-00-4 CAS: 100-41-4 EINECS:

202-849-4

Xn Harmful

R20 Harmful by inhalation.

7% - 10% xylene

N.67/548/CEE: 601-022-00-9 CAS: 1330-20-7 EINECS:

215-535-7

Xn Harmful

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

R38 Irritating to skin.

7% - 10% n-butyl acetate

N.67/548/CEE: 607-025-00-1 CAS: 123-86-4 EINECS:

204-658-1

1% - 3% hexamethylene-di-isocyanate

N.67/548/CEE: 615-011-00-1 CAS: 822-06-0 EINECS:

212-485-8

T Toxic

R23 Toxic by inhalation.

R36/37/38 Irritating to eyes, respiratory system and skin.

R42/43 May cause sensitization by inhalation and skin contact.

G3. HAZARDS IDENTIFICATION

The product is a liquid that can catch fire at temperatures in excess of 21 °C if exposed to an ignition source.

The product is harmful following acute exposure to it and poses a serious health threat if inhaled.

If inhaled, the product may cause sensitisation of the airways, and if brought into contact with the skin it may cause sensitisation of the skin.

G4. FIRST AID MEASURES

Contact with skin:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

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Contact with eyes:

Do not use eyewash or ointment of any kind (before obtaining an examination or advice from an eye specialist).

Wash immediately with a gentle stream of water for at least 10 minutes.

Swallowing:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

Do not give milk or animal or vegetable fats of any kind.

Inhalation:

Ventilate the premises. The patient is to be removed immediately from the contaminated premises to rest in a well ventilated area. OBTAIN MEDICAL ATTENTION.

G5. FIRE-FIGHTING MEASURES

Recommended extinguishers:

In case of fire, use water, CO2, Foam, Chemical powders, according to the materials involved in the fire.

Extinguishers not to be used:

None in particular.

Risks arising from combustion:

Avoid inhaling the fumes.

Protective equipment:

Use protection for the respiratory tract.

Cool the containers exposed to the fire with water.

G6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

Use a mask, gloves and protective clothing.

Environmental measures:

Limit leakages with earth or sand.

Eliminate all unguarded flames and possible sources of ignition. Do not smoke.

If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

Cleaning methods:

Rapidly recover the product. To do so, wear a mask and protective clothing.

If the product is in a liquid form, stop it from entering the drainage system.

Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.

After the product has been recovered, rinse the area and materials involved with water.

G7. HANDLING AND STORAGE

Handling precautions:

Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.

Do not eat or drink while working.

Do not smoke while working.

Incompatible materials:

None in particular.

Storage conditions:

Keep away from unguarded flame, sparks, and heat sources.

Avoid direct exposure to sunlight.

Instructions as regards storage premises:

Cool and adequately ventilated.

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G8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary measures:

Give adequate ventilation to the premises where the product is stored and/or handled.

Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).

Use adequate protective respiratory equipment, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Eye protection:

Not needed for normal use.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Exposure limit(s) (ACGIH):

ethylbenzene

TLV TWA: 100 ppm, 434 mg/m³ TLV STEL: 125 ppm, 543 mg/m³

xylene

TLV TWA: 100 ppm, 434 mg/m³ TLV STEL: 150 ppm, 651 mg/m³

n-butyl acetate

TLV TWA: 150 ppm, 713 mg/m³ TLV STEL: 200 ppm, 950 mg/m³

hexamethylene-di-isocyanate

TLV TWA: 0.005 ppm, 0.034 mg/m³

G9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and color: COLORLESS LIQUID

Odor: Odorless

Boiling point: 126,0 - 127,0 C

Flash point: 25 C

Auto ignition temperature: >380 C

Vapour pressure: 10,000

Solubility in water: 0,700 g/l

Vapour density: 4,000

G10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions.

Substances to avoid:

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products:

None.

G11. TOXICOLOGICAL INFORMATION

11.2 Acute Toxicity: Ingestion in significant quantities may cause gastro-enteric irritation.

11.3 Chronic Toxicity:

11.4 Corrosiveness / Potential for irritation:

11.4.1 Skin: Frequent contact may cause irritation.

11.4.2 Eyes: Contact with the liquid may cause irritation of the conjunctive tissue of the eyes.

11.5 Further information: Low index of toxicity. In strong concentrations, the vapours can have an anaesthetic effect.

Set out below is the toxicological information relating to the main substances in the preparation.

Clear Hardener 8B NEW

11.1 Routes of penetration: eyes, skin, and inhalation.

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11.2 Acute toxicity: Ingestion in significant quantities may cause gastro-enteric irritation.

11.3 Chronic toxicity:

11.4 Corrosiveness/ Potential for Irritation:

11.4.1 Skin: Frequent contact may cause irritation.

11.4.2 Eyes: Contact with the liquid may cause irritation of the conjunctive tissue of the eyes.

11.5 Further information: Low index of toxicity. In high concentrations, the vapours may have an anaesthetic effect.

2-butoxyethyl acetate

LD50 (RAT) SKIN: 1580 MG/KG

ethylbenzene

LD50 (RAT) ORAL: 3500 MG/KG

LD50 (RAT) ORAL: 4710 MG/KG BW

hexamethylene-di-isocyanate

LD50 (RABBIT) SKIN: 570 MG/KG

G12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.

G13. DISPOSAL CONSIDERATIONS

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

G14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

G15. REGULATORY INFORMATION

88/379/EEC (Classification and Labelling):

Symbols:

Xn Harmful

R Phrases:

R10 Flammable.

R20 Harmful by inhalation.

R42/43 May cause sensitization by inhalation and skin contact.

S Phrases:

S23 Do not breathe fumes/vapour/spray.

S43 In case of fire, use water, CO₂, Foam, Chemical powders, according to the materials involved in the fire.

S51 Use only in well-ventilated areas.

S36 Wear suitable protective clothing.

Contents:

hexamethylene-di-isocyanate

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

G16. OTHER INFORMATION

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network

- Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

ACGIH - Threshold Limit Values - 1993/94 edition

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.