

MATERIAL SAFETY DATA SHEET

ALLUMASOL

Safety Data Sheet dated 29-10-2003, version 4

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

ALLUMASOL

Company

**Hitchins New Zealand Limited
7 Masfield Street
Upper Hutt, Wellington**

24 HR TELEPHONE

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Emergency Contact Numbers

**Poisons & Hazardous Chemicals
Information Centre (03) 474 0999**

2. COMPOSITION/INFORMATION ON INGREDIENTS

It is based of: Btumen,solvents,pigments,additives.

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

<30 % xylene

601-022-00-9 1330-20-7 215-535-7

Xn R10 R20/21 R38

<10 % Solvent naphtha (petroleum), light arom

619-356-00-1 61712-95-6 265-199-0

N Xn R10 R37 R51/53 R66 R67 R65

3. 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 or brought into contact with the skin.

If brought into contact with the skin, the product causes appreciable inflammation, with erythema, scabs, and oedema.

4. 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.

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 water for at least 10 minutes.

Swallowing:

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

Give liquid paraffin to drink, do not give milk or animal or vegetable fats of any kind.

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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.

5. FIRE-FIGHTING MEASURES

Recommended extinguishers:

In case of fire, use foam, CO₂, water nebulized.

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.

6. 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.

7. 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:

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

Respiratory protection:

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

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Protection for hands:

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

Eye protection:

Use close fitting safety goggles and/or visor conforming to BS 2092 GRADE 1).

Protection for skin:

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

Exposure limit(s) (ACGIH):

xylene

434 mg/m³, 100 ppm

651 mg/m³, 150 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour: Aluminium liquid.

Boiling point: 155-181°C

Flash point: >23°C

Autoignition temperature: > 450°C

Explosive properties: in aria, Vol.% =0,6-7

Relative density: 1,06-1,15 Kg/l

Vapour density: >1

10. 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.

11. TOXICOLOGICAL INFORMATION

The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

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

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Type of refusal: Special dangerous.

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.

14. TRANSPORT INFORMATION

RID/ADR: NUMBER ONU: 1263

NUMBER KEMLER: 30

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CLASS + PACKING GROUP: 3, III
SEA (IMO-IMDG) Class 3 / UN 1263
Packaging group: III; Marine Pollutant;
EmS: F-E, S-E

15. REGULATORY INFORMATION

88/379/EEC (Classification and Labelling):

Symbols:	Xn	Harmful
R Phrases:	R10	Flammable.
	R20/21	Harmful by inhalation and in contact with skin.
	R38	Irritating to skin.
	R52/53	53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S Phrases:	S43	In case of fire, use foam, CO ₂ , water nebulized.
	S60	This material and its container must be disposed of as hazardous waste.
	S25	Avoid contact with eyes.
	S36/37	Wear suitable protective clothing and gloves.
Contents:		xylene

Where applicable, refer to the following regulatory provisions :

Presidential Decree D.P.R. 303/56 (Health checks).
DM 51/90 and DPR 203/38 (Atmospheric emissions)
Ministerial circulars 46 e 61 (Aromatic amines).
Law 136/83 (Biodegradability of detergents).
Presidential Decree D.P.R. 175/88 (Seveso Directive), Appendices II°, III° e IV°.
Presidential Decree D.P.R. 250/89 (Labelling of detergents).
Law Decree n°25 (02.02.2002)
Min. Decree of 07.09.02 (reference direc. 2001/58/CE)
Law Decree n.65 of 14/03/03 (reference direc. 1999/45/CE, 2001/60/CE)

16. 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

Phrases used in paragraph 2:

R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R38 Irritating to skin.
R37 Irritating to respiratory system.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
R65 Harmful: may cause lung damage if swallowed.

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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.
