

# SAFETY DATA SHEET

## ALSAN 500

Version: 50h

Review date: 15/07/2008

91/155/EC (2001/58/EC) - ISO 11014-1

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

Product name: ALSAN 500

Uses or/and applications: /

Supplier: SOPREMA S.A.  
14, rue de Saint Nazaire - BP 121  
F-67025 Strasbourg CEDEX 1  
France  
Phone: +33 (0)3 88 79 84 00  
Fax: +33 (0)3 88 79 84 01

Emergency phone number (to be used by the practising doctor): UK - National Poisons Information Service Phone: 44 / 191 22 5131  
Emergency Number : + 44 (0) 870 190 6777

### 2. HAZARDS IDENTIFICATION

Most important hazards: Highly flammable.  
Harmful by inhalation and in contact with skin.  
May cause sensitization by inhalation.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Irritating to eyes.  
Repeated exposure may cause skin dryness or cracking

Specific hazards: Repeated exposure may cause skin dryness or cracking

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component(s) contributing to the hazard:

- OXYDE DE CALCIUM - CAS no: 1305-78-8  
Conc. wt.(%): 1 < C <= 5 - Symbol(s): Xi - R-phrased(s): 41
- folpet (ISO); N-(trichloromethylthio)phthalimide - Id No: 613-045-00-1 - CAS no: 133-07-3 - EC no: 205-088-6  
Conc. wt.(%): 0 < C <= 1 - Classification: •Carc. Cat. 3; R40•Xn; R20•Xi; R36•R43•N; R50•
- 2-methoxy-1-methylethyl acetate - Id No: 607-195-00-7 - CAS no: 108-65-6 - EC no: 203-603-9  
Conc. wt.(%): 5 < C <= 10 - Classification: • R 10 • Xi; R 36 •
- butanone; ethyl methyl ketone - Id No: 606-002-00-3 - CAS no: 78-93-3 - EC no: 201-159-0  
Conc. wt.(%): 5 < C <= 10 - Classification: • F; R 11 • Xi; R 36 • R 66 • R 67 •
- 2-methyl-m-phenylene diisocyanate toluene-2,4-di-isocyanate [1]; 4-methyl-m-phenylene diisocyanate toluene-2,6-di-isocyanate [2]; m-tolyldiene diisocyanate toluene-diisocyanate [3] - Id No: 615-006-00-4 - CAS no: 91-08-7 - EC no: 202-039-0  
Conc. wt.(%): 0 < C <= 1 - Classification: •Carc. Cat. 3; R 40•T+; R 26•Xi; R 36/37/38•R 42/43•R 52-53•
- Solvent naphta (petroleum), light arom; low boilingpoint naphta - unspecified  
Conc. wt.(%): 5 < C <= 10 - Symbol(s): Xn N - R-phrased(s): 10-20/21-37/38-51/53-65-66-67
- 4-isocyanatosulphonyltoluene; tosyl isocyanate - Id No: 615-012-00-7 - CAS no: 4083-64-1 - EC no: 223-810-8  
Conc. wt.(%): 0 < C <= 1 - Classification: • R 14 • Xi; R 36/37/38 • R 42 •

### 4. FIRST AID MEASURES

General advice: In case of doubt or persistent symptoms, consult always a physician.

Inhalation: Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth.

Skin contact: Take off contaminated clothes. Wash skin with plenty of water and soap. Do NOT use solvents or thinners.

Eye contact: Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice.

### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: In case of fire, use: powder, alcohol-resistant foam

Extinguishing media which must NOT be used for safety reasons: Do not use water jet.

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Specific fire hazard(s): Fire will produce dense black smoke. Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required.

Special protective equipment for fire-fighters: Use a self-contained breathing apparatus and also a protective suit.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precaution(s): Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8.

Environmental precaution(s): Prevent liquid from entering sewers, watercourses, underground or low areas. Stop leak without risks if possible.

Method(s) for cleaning up: Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

### 7. HANDLING AND STORAGE

#### Handling

- Precaution(s): Do not smoke. When using do not eat or drink. Provide sufficient air exchange and/or exhaust. Wear suitable respiratory equipment in case of insufficient ventilation. Wear personal protective equipment (see item 8).
- Technical condition(s): The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Prevent build-up of electrostatic charges (e.g., by grounding). Ventilation, local exhaust, or breathing protection.

#### Storage

- Precaution(s): Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed and in a well-ventilated place. Observe the label precautions.
- Technical condition(s): Not flammable and waterproof underground retention basin.
- Storage condition(s): Keep away from sources of ignition - No smoking. Store in a well-ventilated place.
- Packaging / tank material: made of the same material as the supply container.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measure(s): Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn.

#### Control parameter(s):

- Exposure limit(s):
  - OXYDE DE CALCIUM:VME mg/m<sup>3</sup> = 2
  - 2-methoxy-1-methylethyl acetate:VME ppm = 50 - VME mg/m<sup>3</sup> = 275 - VLE ppm = 100 - VLE mg/m<sup>3</sup> = 550
  - butanone; ethyl methyl ketone:VME ppm = 200 - VME mg/m<sup>3</sup> = 600 - VLE ppm = 300 - VLE mg/m<sup>3</sup> = 900
  - 2-methyl-m-phenylene diisocyanate toluene-2,4-di-isocyanate [1]; 4-methyl-m-phenylene diisocyanate toluene-2,6-di-isocyanate [2]; m-tolyldiene diisocyanate toluene-diisocyanate [3]:VME ppm = 0,005 - VME mg/m<sup>3</sup> = 0,036 - VLE ppm = 0,02 - VLE mg/m<sup>3</sup> = 0,14

#### Personal protection equipment:

- Respiratory protection: respirator with combination filter for vapour/particles
- Hand protection: A waterproof cream can protect exposed skin parts. Do not use if contact has already taken place. When skin exposure may occur, advice should be sought from glove suppliers on appropriate types. solvent-resistant gloves
- Skin and body protection: Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.
- Eye protection: Wear security glasses which protect from splashes.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

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### General information

- Physical state / form: viscous
- Colour: according to choice
- Odour: characteristic

### Important health, safety and environmental information

- PH: Not determined.
- Boiling point/range: Not determined.
- Flash point: 11 °C
- Explosion limits: not determined
- Vapour pressure: < 110 kPa (1.10 bar)
- Relative density (water = 1): 1.14
- Bulk density: 1140 kg/m<sup>3</sup>
- Viscosity: 2600 mm<sup>2</sup>/s (23 °C)
- Water solubility: insoluble
- Fat solubility: Not applicable.
- Solvent solubility: soluble in some specific organic solvents

## 10. STABILITY AND REACTIVITY

- Stability: Stable under the recommended storage and handling conditions. (See Section 7).
- Material(s) to avoid: Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.
- Hazardous decomposition products: In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

- Inhalation: Exposure to organic solvent vapours may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
- Skin contact: Repeated or prolonged contact with the product may lead to removal of natural fats from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.
- Eyes contact: Splashes in the eyes may cause irritation and reversible local damage.
- Ingestion: May cause nausea, vomiting, sore throat, stomach-ache and eventually a perforation of the intestine.

## 12. ECOLOGICAL INFORMATION

- General information(s): There is no data available on the product itself. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.
- Environmental toxicity: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Other adverse effects

## 13. DISPOSAL CONSIDERATIONS

- Waste / unused products: Collect all waste in suitable and labelled containers and dispose according to local legislation. Dispose of this material and its container at hazardous or special waste collection point.
- Contaminated packaging: Container remains hazardous when empty. Continue to observe all precautions.
- Further Information(s):

## 14. TRANSPORT INFORMATION

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General information(s): Transport followed ADR, IMDG, IATA

UN N°: 1263

Land (Road / Railway: ADR/RID)

- Proper shipping name: PAINT

- Class: 3

- Verpakkingsgroep: III

Sea (IMDG)

- Proper shipping name: PAINT

- Class: 3

- Packaging group: III

- Marine pollutant: P

Air (ICAO/IATA)

- Proper shipping name: PAINT

- ICAO/IATA class: 3

- Packing group: III

## 15. REGULATORY INFORMATION

Labelling: According to european directives on classification, packaging and labelling of dangerous substances

EC number: Not applicable.

Symbol(s): F - Highly flammable ; Xn - Harmful



R-phrase(s):  
11 Highly flammable.  
20/21 Harmful by inhalation and in contact with skin.  
36 Irritating to eyes.  
42 May cause sensitization by inhalation.  
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
66 Repeated exposure may cause skin dryness or cracking

S-phrase(s):  
2 Keep out of the reach of children.  
9 Keep container in a well ventilated place.  
23 Do not breathe gas / fumes / vapour / spray.  
36/37 Wear suitable protective clothing and gloves.  
46 If swallowed, seek medical advice immediately and show this container or label.

Further information(s): Contains isocyanates. See information supplied by the manufacturer. Contains folpet (ISO); N-(trichloromethylthio)phthalimide, 2-methyl-m-phenylene diisocyanate toluene-2,4-di-isocyanate [1]; 4-methyl-m-phenylene diisocyanate toluene-2,6-di-isocyanate [2]; m-tolyldiene diisocyanate toluene-diisocyanate [3], 4-isocyanatosulphonyltoluene; tosyl isocyanate. May produce an allergic reaction.

## 16. OTHER INFORMATION

According legislation(s): This safety data sheet is in compliance with directives and adaptings: 88/379/EEC

Item nr 2 : R-phrase(s)  
R41 Risk of serious damage to eyes.  
R20 Harmful by inhalation.  
R36 Irritating to eyes.  
R40 Limited evidence of a carcinogenic effect.  
R43 May cause sensitization by skin contact.  
R50 Very toxic to aquatic organisms.  
R10 Flammable.  
R11 Highly flammable.  
R66 Repeated exposure may cause skin dryness or cracking  
R67 Vapours may cause drowsiness and dizziness  
R26 Very toxic by inhalation.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R42/43 May cause sensitization by inhalation and skin contact.

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R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R20/21 Harmful by inhalation and in contact with skin.  
R37/38 Irritating to respiratory system and skin.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.  
R14 Reacts violently with water.  
R42 May cause sensitization by inhalation.

Important remarks:

No liability will be accepted (except as otherwise provided by law) arising out of the use of information supplied in this data sheet.  
The user is always responsible for ensuring that the requirements of relevant legislation are complied with.  
This sheet information describes security recommendations valid for our product. It is not to take as any liability concerning proprieties of our product.

Uses or/and applications:

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Restrictions:

This information relates to the specific material designated and may not be valid in combination with other product(s).

Other data:

COV = 288g/l

History

- First edition date: 27/01/2004  
- Previous revision date: 11/04/2005  
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