

# MATERIAL SAFETY DATA SHEET (MSDS)

Date of Issue: Sept 2016

Conservation Chemicals Consultants Limited.

## Product: Stonetect Professional - Mid Sheen

### SECTION 1: name of substance/preparation and the company

**Product Name: Stonetect Professional – Mid Sheen**

### SECTION 2: composition/information on ingredients

Manufactured formulations based on hexamethylene diamine based isocyanate prepolymers dissolved only in non-toxic biodegradable oxygenated solvents with other additives to control product behaviour.  
Prepolymer of aliphatic isocyanate CAS No 28182-81-2 EU No: none-  
Free isocyanate content less than 0.15% on total product (hexamethylene-1.6-diisocyanate, CAS No 822-06-0 EU No 212-485-8).  
50-70% of blends of ethoxyethyl propionate and methoxypropoxy acetate 100|100 % as solvent - flash point between 46 and 65 °Celsius depending on grade  
- classified as flammable when below 57 °Celsius - avoid inhalation of fumes or vapour - oxygenated solvents degrade to water and carbon dioxide)  
EEP EINECS No 212-112-9 - CAS No 763-69-9; MPA EINECS No 203-603-9 ; CAS no 108-65-6

### SECTION 3: Hazards identification

Irritant by inhalation; skin and eye contact.

### SECTION 4: First Aid Measures

In case of inhalation: - move affected person to fresh air and seek medical attention if symptoms persist.  
In case of eye contact rinse carefully and thoroughly with water for 15 minutes with lifting of eyelids and seek medical attention if irritation persists.  
In case of skin contact wipe off with absorbent tissue and wash with soap and water or resin removing cream before the product cures.  
In case of irritation of respiratory tract or swallowing, do not induce vomiting - seek medical attention.

### SECTION 5: Fire Fighting Measures

Extinguishing media: **CO2, foam, dry powder**

In case of fire, formation of carbon monoxide, nitrogen oxide, isocyanate vapour and traces of hydrogen cyanide, particularly in deficiency of oxygen.  
Fire fighters must wear self-contained breathing apparatus.

### SECTION 6: Accidental Release Measures

Do not empty into drains; remove by absorbing into e.g. sawdust, cement, sand etc. After one hour, saturate with water and transfer to waste container - store for several days then dispose of as waste to landfill or by incineration.

### SECTION 7: Handling and Storage

Keep containers dry and in a cool well-ventilated place away from sources of heat or direct sunlight.  
Ensure good ventilation in the working area - exhaust ventilation is necessary if the product is sprayed.  
Avoid contact with skin or eyes.

## SECTION 11: Toxicological Information

Acute toxicity  
LD50 oral, rat: more than 5000mg/kg  
Skin and mucous compatibility, rabbit:  
skin 4 hours - slight reddening, very slight superficial cauterisation  
eyes - slight reddening - for further information, contact the manufacturer

Special properties/effects:  
Over-exposure, especially during spraying operations without the necessary precautions, entails the risk of concentration-dependent irritating effects on eyes, nose, throat and u/l rt. Delayed appearance of these effects is likely and development of hypersensitivity is possible.  
Hypersensitive persons may suffer from these effects even at low concentrations.  
Prolonged contact with the skin may cause de-fatting, reddening and irritation effects

## SECTION 12: Environmental Information

Do not allow to escape into drains, sewers, waterways - components may be harmful to aquatic life.  
Bio-accumulation potential is high due to low biodegradation rates of some non-volatile components.

## SECTION 13: Disposal Considerations

May be incinerated in suitable facility provided local regulations are observed.

Empty containers may be disposed of as refuse after any residue has dried or is neutralised with a mixture of water and ammonia; after this procedure, remove hazard labels.

## SECTION 8: Exposure Controls/Personal Protection

For exposure controls, see section 15

Wear suitable protective clothing, particularly rubber or pvc gloves, goggles, particularly if spraying or working overhead.  
Respiratory protection is required if working in areas of low or poor ventilation and recommended in other cases - use  
Half-mask organic  
Vapour respirator (A1) or, if spraying, full-face cartridge (or air-fed) mask.  
Hypersensitive persons (e.g. asthmatics, chronic bronchitis) should not use the product  
Keep away from foodstuffs, drinks, and tobacco.  
Wash hands before breaks and at end of work  
Remove contaminated clothing immediately.

## SECTION 9: Physical Properties

Form	mobile to low viscosity liquids
Colour	clear to opalescent, depending on grade
Odour	fruity solvent odour
Freezing point	n/a
Initial Boiling point	155-160 °C
Density	approx 0.97-1.02 (DIN 53217)
Vapour Pressure	3mbar at 20°C
Viscosity	approx 275mPa-s at 25 °C
Solubility in water	immiscible - reacts as described in Section 10
pH value	n/a
Flash Point	112 °C
Ignition Temperature	not determined
Explosion Limits	1-8%

## SECTION 10: Stability and Reactivity

**Hazardous decomposition products:** no hazardous decomposition products when stored and handled correctly.  
**Hazardous reactions:** exothermic reaction with strong oxidising reagents.

## SECTION 14: Transport Information

<b>UN No</b>	<b>NA</b>
Packing Group (Standard grades)	NA
ADR/RID class	NA
IMO Class	NA
ICAO/IATA Class	NA
Shipping name	NA
IATA Shipping name	NA
ADR/RID Shipping Name	NA
Other Information	N/A
Marine Pollutant	yes

## SECTION 15: Regulatory Information (applicable to liquid uncured material only)

Labelling as required by Chemicals (Hazard Information and Packaging for Supply) Amendment Regulations and corresponding EU directives:

Symbol: Xi  
Hazard description:

R21 irritating on inhalation.  
R42/43 may cause sensitisation by inhalation and skin contact.  
S24/25 avoid contact with skin and eyes.  
S26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S51 ensure good ventilation/use only in well-ventilated areas.

### Workplace Exposure Limit:

Maximum exposure limit - HMDI	8 hour	0.02/mg/m <sup>3</sup>
	15 min stel	0.07mg/m <sup>3</sup>
These products	8 hour	0.08mg/m <sup>3</sup>
	15 min stel	0.2mg/m <sup>3</sup> measured as NCO
EEP (CAS No 763-69-9)	LT Exp (8 hrs) 50ppm	ST Exp (15min) 100ppm
Effects of Overexposure	irritation of nose, throat and eyes on prolonged exposure in poor ventilation; irritating to eyes on prolonged contact with vapour. May be irritating to skin on prolonged contact. May cause sensitisation in some persons.	

## SECTION 16: Other information

For use in the protection and coating stone, wood and other construction materials

All personnel involved in the use or handling of this product should be adequately informed and trained in handling of the material and use of protective measures and should read and understand this data sheet.

This data sheet should be read in conjunction with the technical information/data sheet for the product

The information given herein is based on current knowledge and experience and its purpose is to describe the product in terms of its safety requirements; the data does not signify any warranty with regard to the products properties or performance.

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