

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

1.1 IDENTIFICATION OF THE PREPARATION

Product Name	STONE SEALER
Intended Use	Oil Repellent solution

1.2 IDENTIFICATION OF THE COMPANY

Name	STONETECH BV	
Address	WOUDENBERGSEWEG 19 D-1	
District and Country	3707 HW ZEIST	
	THE NETHERLANDS	
	TEL: +31 88 350 20 00	FAX: +31 88 350 20 20

2. Composition/Information on Ingredients

Denominazione	Concentration (C)	classification
2-PROPANOL N° Cas 67-63-0 N° CE 200-661-7 N° Index 603-117-00-0	11,1 <= C < 12,7	R67 F R11 Xi R36
Ethyl Acetate N° Cas 141-78-6 N° CE 205-500-4 N° Index 607-022-00-5	79,3 <= C < 83,4	R66 R67 F R11 Xi R36
Solvent Naphtha (Petroleum) Medium.. N° Cas 64742-88-7 N° CE 265-191-7 N° Index 649-405-00-X	6,7 <= C < 7,8	Xn R65

The complete text of -R- phrases is specified in section 16.

3. DANGER IDENTIFICATION

3.1 SUBSTANCE/PREPARATION CLASSIFICATION

This preparation is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments. This preparation requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbol: F-Xi

Phrases R: 11-36-66-67

3.2 Danger identification

Because of its chemical-physical features, this product is graded as flammable (HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED. IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN. HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED / REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.

4. FIRST AID MEASURES

EYES: Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

SKIN: Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists seek medical attention. Wash contaminated clothing before using them.

INHALATION: Remove to fresh air. If breathing is irregular seek medical advice.

INGESTION: Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Closed containers exposed to the heat of a fire may lead to pressure rise and explode. For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet. Extinguishing measures: CO₂, foam, AFFF, chemical powder for flammable liquids. Water may not be effective to extinguish the fire, nevertheless it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not caught fire, nebulae water may be used to disperse the flammable vapours and protect the people involved in stopping the leakage.

Equipment: wear equipment complete with helmet and face shield and protection of the neck, self breathing apparatus at pressure or demand, isolative jacket and trousers, with bands around the arms, legs and waist.

6 ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Cover with inert absorbent material. Collect spillages by means of spark proof equipment. Use water only to remove residuals, so as not to run the risk of enter the sewer. Do not let the product dry. Contaminated clothes must be left to soak in water before washing. In order to choose safety measures and protection equipment, please see the other sections of this sheet. Spillage in waters: remove the liquid from the surface with flameproof pumps or manual pumps or suitable absorbent material. Resort to sinking and/or dispersion of the product with suitable substances in open waters, if permitted by the law.

7. HANDLING AND STORAGE

Avoid the accumulation of electrostatic charges. Store the containers sealed and in a well ventilated place. Vapours may ignite with explosion, it is therefore necessary to avoid accumulation keeping the windows and doors open, ensuring cross ventilation. Without adequate ventilation, the vapours may accumulate at the bottom and ignite at a distance, if triggered off with the risk of flashback. Keep far away from sources of heat, sparks and naked flames. Do not smoke, use matches or lighters. Keep the containers earthed while decanting and wear antistatic boots. Vigorous stirring and flow through the piping and equipment may cause the formation and accumulation of electrostatic charges due to the low conductivity of the product. In order to avoid the risk of fire outbreak and explosion never use compressed air during movement.

8. Exposure Controls /Personal Protection.

2-PROPANOL			
- TLV TWA	983	mg/m3	ACGIH
- TLV STEL	1230	mg/m3	ACGIH
Ethyl Acetate			
- TLV TWA	1440	mg/m3	
Solvent Naphtha (Petroleum) Medium.			
- TLV TWA	1700	mg/m3	ACGIH

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures such as: masks suitable for the product, goggles, gloves and overalls. Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and at the end of the work shift.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour	Trasparent
Odour	Stinging
Physical Appearance	Liquid
Solubility	N.D.
Viscosity	N.D.
Vapour Density	N.D.
Evaporation Speed	N.D.
Comburent properties	N.D.
Partition coefficient: n-octano/water:	N.D.
pH	N.D.
Boiling Point	N.D.
Flash Point	5°C
Explosive Properties	N.D.
Vapour Pressure	N.D.
Specific Gravity	0,83 Kg/l

10. STABILITY AND REACTIVITY

The product is stable in normal conditions of use and storage. When heated or in the event of a fire, carbon oxides may be released and vapours which are dangerous to health. The vapours, may also form explosive mixtures with the air.

11. TOXICOLOGICAL INFORMATION

Acute effects: inhalation or coetaneous absorption of this product are harmful. This product may irritate mucosa, the upper respiratory tract, and eyes. Exposure symptoms may include: stinging and irritated eyes, mouth, nose, throat; cough, respiratory disorders, dizziness, headache, nausea and sickness. In the most serious cases, inhalation of this product may cause larynx and bronchial tube oedema and irritation, chemical pneumonia and pulmonary oedema. Upon contact with skin, this product may irritate it, causing an increase in skin temperature, swelling and itchiness. Ingestion of even small amounts of this product may cause health problems (stomach pain, nausea, sickness, diarrhoea, etc.).

The introduction of even small quantities of this liquid into the respiratory system during ingestion or vomit may cause bronchopneumonia and pulmonary oedema.

Xylene: has a toxic effect on the CNS (encephalopathy). Irritating to the skin, conjunctivae, cornea and respiratory apparatus.

12. ECOLOGICAL INFORMATION

Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

13. DISPOSAL CONSIDERATIONS

Consider the possibility of burning the product in a suitable incinerator. Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

14 TRANSPORT INFORMATIONS

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original packing or in packing made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:

Classe ADR:	3,	PG III	UN 1866
Label:	3		
Nr. Kemler:	30		
Technical Name:	Resin Solution		
Packaging instructions:	640D		

Carriage by sea (shipping):

Classe IMO:	3	UN 1866
Packing Group:	III	
EMS:	F-E, S-E	
Proper Shipping Name:	Resin solution	

Transport by air:

Classe IATA:	3	UN 1866	
Packing Group:	III		
Label:	3		
Packaging instructions:	307	Maximun Quantity:	60 L
Pass.: Packaging instructions:	305	Maximun Quantity:	5 L

15. REGULATORY INFORMATION

DANGER SYMBOL



Xi IRRITANT

DANGER SYNBOL PHISICAL PROPERTY



F HIGHLY FLAMMABLE

- R11 HIGHLY FLAMMABLE.
- R36 IRRITATING TO EYES.
- R66 REPEATED EXPOSURE, MAY CAUSE SKIN DRYNESS OR CRACKING
- R67 VAPOUR MAY CAUSE DROUSINESS AND DIZZINESS.
- S 2 KEEP OUT OF REACH FROM CHILDREN.
- S 9 KEEP CONTAINER IN A WELL VENTILATED PLACE.
- S16 KEEP AWAY FROM SOURCE OF IGNITIO. NO SMOKING.

- S33 TAKE PRECAUTIONARY MEASURE AGAINST STATIC DISCHARGE.
- S46 IF SWALLOWED, DO NOT INDUCE VOMITING: SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.

Danger labelling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments.

Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/CE.

16. . FURTHER INFORMATIONS.

Text of -R- phrases quoted in section 2 of the sheet.

- R11 HIGHLY FLAMMABLE.
- R36 IRRITATING TO EYES.
- R65 HARMFULL MAY CAUSE LUNG DAMMAGE IF SWALLOWED.
- R66 REPEATED EXPOSURE, MAY CAUSE SKIN DRYNESS OR CRACKING.
- R67 VAPOUR MAY CAUSE DROUSINESS AND DIZZINESS.

GENERAL BIBLIOGRAPHY:

1. Regulation 1999/45/CE and following amendments
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII)
3. Regulation 91/155/CEE and following amendments;
4. The Merck Index. Ed. 10
5. Handling Chemical Safety
6. Niosh - Registry of Toxic Effects of Chemical Substances
7. INRS - Fiche Toxicologique (toxicological sheet
8. Patty - Industrial Hygiene and Toxicology
9. N.I. Sax-Dangerous properties of Industrial Materials-7 Ed., 1989

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.