

1. Identification of the preparation and the Company

Code PI151
 Product name SAF SEAL
 Intended use Antigraffiti for stone
 Chemical name and synonym Resin solution

Name DELTA Research s.r.l.
 Full address Via San Felice, 25
 District and Country 24060 GORLAGO (BG) - ITALY
 Tel. 035.952.156
 Fax 035.953.400
 For urgent inquiries Centro Antiveneni
 refer to Ospedale Niguarda
 Tel. 02.66.10.10.29

2. Composition/Information on ingredients

Name	Concentr.(C)	Classificat.
XYLENE	5,7 <= C < 6,7	R10
	N° Cas 1330-20-7	Xn
	N° CE 215-535-7	R20/21
	N° Index 601-022-00-9	Xi R38
PROPAN-1-OL	8,4 <= C < 9,9	R67
	N° Cas 71-23-8	F R11
	N° CE 200-746-9	Xi R41
	N° Index 603-003-00-0	
PROPAN-2-OL	21,9 <= C < 23,5	R67
	N° Cas 67-63-0	F R11
	N° CE 200-661-7	Xi R36
	N° Index 603-117-00-0	
NAPHTA (PETROL.) HYDROTREATED HEAVY	8,4 <= C < 9,9	Xn R65
	N° Cas 64742-48-9	
	N° CE 265-150-3	
	N° Index 649-327-00-6	

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 Symbols: Xi Phrases R: 36-67

3.2 Danger Identification

IRRITATING TO EYES.

VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

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, nebulized water may be used to disperse the flammable vapors 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 enters 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. Vapors may ignite with explosion; it is therefore necessary to avoid accumulation keeping the windows and doors open, ensuring cross ventilation.

Without adequate ventilation, the vapors 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

XYLOL

- TLV TWA 434 mg/m³ ACGIH

- TLV STEL 651 mg/m³ ACGIH

PROPAN-1-OL

- TLV TWA 492 mg/m³ ACGIH

- TLV STEL 614 mg/m³ ACGIH

PROPAN-2-OL

- TLV TWA 983 mg/m³ ACGIH

- TLV STEL 1230 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	Colorless
Odour	Ethereal
Physical data	Liquid
Solubility	Low soluble in water
Viscosity	N.A.
Evaporation speed	N.A.
Comburent properties	N.A.
Ph	n.a.
Boiling point	N.A.
Flash point	63°C
Vapour pressure	N.A.
Specific gravity	0,845Kg/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, carbonoxides may be released and vapors which are dangerous to health. The vapors may also form explosive mixtures with the air.

The xylene present is stable but may give violent reactions if placed in contact with strong oxidants such as nitric acid, sulfuric acid, perchlorates and similar agents. It is biodegradable in water and decomposes in the sunlight (photodegradable).

11. Toxicological information

Acute effects: stinging eyes. Symptoms may include: rubescence, edema, pain and lachrymation. Vapor inhalation may moderately irritate the upper respiratory tract. Contact with skin may cause slight irritation. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

This product contains highly volatile substances, which may cause serious depression of the central nervous system (CNS) and have negative effects such as drowsiness, dizziness, slow reflexes, and narcosis.

Xylene: has a toxic effect on the CNS (encephalopathies). 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 information

15. Regulatory information

Health hazard symbol

Xi – Irritant

- R36 IRRITATING TO EYES.

- R67 VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

- S26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

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 information

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

- R10 FLAMMABLE.

- R11 HIGHLY FLAMMABLE.

- R20/21 HARMFUL BY INHALATION AND IN CONTACT WITH SKIN.

- R36 IRRITATING TO EYES.

- R38 IRRITATING TO SKIN.

- R41 RISK OF SERIOUS DAMAGE TO EYES.

- R65 HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

- R67 VAPOURS MAY CAUSE DROWSINESS 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. - 10th Edition;
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, 1989 Edition;

Note for users:

The information contained in the present sheet is 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.

Changes to previous review.

The following sections were modified: 01 / 03 / 15