

SAFETY DATA SHEET



ENVIROGRAF®

HS060-09-2020

Product Number: 60

SA20 Sealant Adhesive

Description:

Multi-purpose sealant adhesive with MS Polymer Technology®. It adheres metal, glass, wood, plastics, polystyrene, fiberglass, tiles, concrete and stone, either the same together or any type with another.

Under Regulation 1907/2006 REACH Safety Data Sheets are only required for hazardous substances and mixtures/preparations; Intumescent Systems Ltd is not therefore legally obliged to supply Safety Data Sheets for its articles. Despite this Intumescent Systems Ltd has decided to provide its customers with information regarding the safe use and handling of the products listed above by means of this Safety Data Sheet.

This product comprises of the following materials and therefore is supported by the following Health & Safety Data Sheets:

- (Appendix 101) Health & Safety Sheet SA20 Sealant Adhesive

*The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment of workplace risk as required by other health and safety legislation.

HEALTH & SAFETY INFORMATION SHEET
APPENDIX 101
SA20 Sealant Adhesive

Sept 2020. Issue 1

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: SA20 Sealant Adhesive
MANUFACTURER/SUPPLIER: Envirograf
ADDRESS: Envirograf House, Barfrestone, Dover, Kent, CT15 7JG
TELEPHONE/FAX/EMAIL: 01304 842555 01304 842666 sales@envirograf.com
EMERGENCY PHONE NUMBER: 01304 842555 (Monday to Friday 8.30 – 5.30)

2. HAZARDS IDENTIFICATION

2.1 Classification of the mixture

2.1.1 Regulation EC 1272/2008

Skin sens. 1A: H317

2.2 Label elements

2.2.1 Regulation EC 1272/2008



Hazard pictograms:

Signal word: WARNING

Hazardous components to be indicated on label:

Contains: 3-(trimethoxysilyl)propylamine

Methyl(1,2,2,6,6-pentamethyl-4-piperidiny)sebacate: May produce an allergic reaction

Hazard statements: H317: May cause an allergic skin reaction

Precautionary statements: P271: Use in well ventilated areas

P280: Wear protective clothing and gloves.

P333+313+312: If skin irritation occurs or if you feel unwell, seek medical advice

2.3 Other hazards

Results of PBT and vPvB assessment

This product does not contain any known PBT or vPvB substances

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	EINECS	REACH registration No.	Classification According to Reg. (EC) 1278/2008 (CLP)	% W/W
Trimethoxy(vinyl)silane	2768-02-7	220-449-8		Flam Liq 2: H225 Acute Tox. 4: H332	0.1–3%
3-(trimethoxysilyl)propylamine	13822-56-5	237-511-5		Eye dam. 1: H318 Skin Irrit. 2: H315	<1%
N-(3-(trimethoxysilyl)propyl)ethylenediamine	1760-24-3	217-164-6		Acute Tox. 4: H332 Aquatic chronic 2: H411 Skin sens. 1: H317 Eye dam. 1: H317	<1%
Benzene propanoic acid, 3,5,-bis (1,1-dimethyl)-4-hydroxy-, C7-9-branched alkyl esters	125643-61-0	406-040-9		Aquatic chronic 4: H413	<1%
alpha-3-(3-(2H-Benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxy-ethylen)	104810-48-2 104810-47-1		N/A	Skin sens. 1: H317	<1%
alpha-3-(2H-Benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzo-triazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylen)					
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7 82919-37-7	255-437-1 280-060-4	N/A	Skin sens. 1A: H317 Aquatic chronic 1: H410	<1%
Methyl(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate					
Diocetyl tin oxide	870-08-6	212-791-1	01-2119971268-27-0002	STOT SE 2: H371 Flam. Liq. 3: H226 Acute Tox. 4: H332 Eye irrit. 2: H319	<1%
tetraethylorthosilicate	78-10-4	201-083-8	01-2119496195-28-xxxx	STOT SE 3: H335	

4. FIRST AID MEASURES

4.1 General: In all cases of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Skin Contact: Wash skin thoroughly with soap and water or a recognised skin cleaner. DO NOT USE SOLVENT OR THINNERS. Seek medical attention if irritation persists.

Eye Contact: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes holding eyelids apart, and seek medical advice.

Ingestion: If accidentally swallowed wash mouth with water and give large volumes of water to drink. DO NOT induce vomiting. Seek medical attention.

Inhalation: Remove to fresh air. If symptoms persist, or if in doubt, seek medical attention.

4.2 Most important symptoms and effects

Skin contact: Prolonged contact may cause irritation and dry skin.

Eye contact: May affect vision. If irritation persists seek medical advice

Ingestion: Do not induce vomiting. Wash out mouth with water. Consult a doctor.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media: Foam, CO₂, powder, waterspray/mist.

5.2 Special Hazards: Organic compound so black smoke and carbon monoxide and carbon dioxide Will be released in a fire

5.3 Advice for firefighters: Do not allow run off from fire fighting to enter drains or water courses. Wear self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions and protective equipment

Avoid skin and eye contact. Wear personnel protective equipment. Ensure adequate ventilation.

6.2 Environmental precautions

Do not allow to enter drains or water courses.

6.3 Method for containment and clean up

Contain and collect spillages and place in a suitable container for disposal in accordance with the waste regulations (see section 13). Take action to avoid static electricity discharge.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited during use. For personal protection see Section 8.

Keep away from sources of ignition. Take precautions to avoid static electricity discharge.

The Manual Handling Operations Regulations may apply to the handling of containers/packages of this product. In order to calculate the weight of any pack size, multiply the volume in litres by the specific gravity value given in section 9. This will give the net weight of the product in kilograms.

7.2 Precautions for safe storage

Keep containers closed when not in use.

Observe label precautions – Store between 5oC and 25oC. in a dry well-ventilated place away from sources of heat. Protect from frost. Keep out of reach of children. Store separately from oxidising agents and strongly acidic materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Exposure Limits:

Substance	Occupational Exposure Limits		Notations
	8 hr LTEL (1)	15 min STEL(2)	

Diocetyl tin oxide 0.1 Mg/m-3 (WEL) 0.2 Mg/m-3 (WEL)

- (1) Long-term exposure limit – 8 hour time weighted average.
- (2) Short-term exposure limit – 15 mins time weighted average.
- (3) WEL - Workplace Exposure Limit

8.2 Exposure Controls

Engineering Measures: Provide adequate ventilation during application and drying.

Respiratory equipment: If ventilation is insufficient suitable respiratory protective equipment must be worn.

Skin & Hand protection: Wear suitable protective clothing and plastic or rubber gloves.

Eye protection: Eye protection designed to protect against liquid splashes should be worn. Equipment should conform to EN166

Hygiene measures: When using do not eat drink or smoke. Wash hands before eating, drinking, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	viscous paste
Odour	slight
Flash point	N/A
Specific gravity	Translucent - 1.0-1.05 @ 20 oC Colours – 1.45 – 1.50 @20OC
Solubility	not soluble in water.
VOC (calculated)	Trans:- 22g/ltr Colours: - 35g/ltr

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under normal temperature and storage conditions

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

Strong acids, bases and oxidising materials

10.5 Incompatible materials

See section 10.4

10.6 Hazardous decomposition products

See section 5

11. TOXICOLOGICAL INFORMATION

Ingestion: May cause discomfort if swallowed. May cause stomach pain and nausea

Skin contact: May cause an allergic skin reaction

Eye contact: Risk of damage to eyes.

Inhalation: Not significant
Sensitisation: Not sensitising
STOT: Not classified

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

No data available

12.2 Persistence and degradeability

Biodegradation only slightly biodegradeable.

12.3 Bio accumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance

12.6 Other adverse effects

Not available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of this material as hazardous or special waste in accordance with local or national requirements

14. TRANSPORT INFORMATION

This product is not covered by International regulation on the transport of dangerous goods.

14.1	UN number:	Not applicable
14.2	Proper shipping name:	Not applicable
14.3	Transport hazard class:	Not applicable
14.4	Packing group:	Not applicable
14.5	Environmental hazards:	Not classed as Marine pollutant

- 14.6 **Special precautions for users:** No. see section 7
- 14.7 **Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:** Not applicable
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15. REGULATORY INFORMATION

15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) 1272/2008 (CLP)

Control of Substances Hazardous to Health Regulations 1999

Environment Act 1995

Management of Health and Safety at Work Regulations 1999

Personal Protective Equipment at Work Regulations 1992

Special Waste Regulations 1996 as amended

HEALTH AND SAFETY EXECUTIVE GUIDANCE NOTES

HS(G)37 An Introduction to Local Exhaust Ventilation

EH40 Occupational Exposure Limits

EH44 Dust: General Principles of Protection

HS(G)53 The Selection, Use and Maintenance of Respiratory Protective Equipment

HS(G)71 Storage of Packaged Dangerous Substances

HS(G)193 COSHH Essentials: easy steps to control chemicals

L23 Manual Handling Guidance on Regulations

BRITISH STANDARDS PUBLICATIONS

EN420: General Requirements for Gloves

EN166: Personal Eye Protection: Specifications

BS2092: Eye Protection for Industrial and Non-Industrial Users

BS4275: Recommendations for the Selection, Use and Maintenance of Respiratory Protective Equipment

15.2 **Chemical safety assessment**

A chemical safety assessment has not been carried out

16. OTHER INFORMATION

Symbols and text used in sections 2 and 3

Hazard statements:	H225	Highly Flammable liquid and vapour
	H226	Flammable liquid and vapour
	H315	Causes skin irritation
	H317	May cause an allergic skin reaction
	H318	Causes serious eye damage
	H332	Harmful if inhaled
	H335	May cause respiratory irritation
	H336	May cause drowsiness and dizziness
	H371	May cause damage to the immune system
	H410	Very toxic to aquatic life with long lasting effects
	H411	Toxic to aquatic life with long lasting effects
	H413	May cause long lasting harmful effects to aquatic life

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