

MATERIAL: TECHSIL® 1382 CLEAR

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

- 1.1 Product Name:** TECHSIL® 1382 Clear
1.2 Product Use: Adhesive Sealant
1.3 Supplier: Techsil Ltd
34 Bidavon Industrial Estate
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Email: sales@techsil.co.uk
- 1.4 Emergency Telephone:** +44(0)7971 228794

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture:

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment is given in Sections 11 and 12 of this sheet.

2.1.1 Regulation 1272/2008 (CLP) and following amendments and adjustments.

Hazard classification and indication
Skin Sens. 1 H317

2.1.2 67/548/EEC and 1999/45/EC Directives and following amendments and adjustments:

Danger Symbols: --
R phrases: --

2.2 Label Elements:

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent and supplements.

Hazard Pictograms:



Signal Words: Warning

Hazard statements:

H317 May contain an allergic skin reaction
EUH208 Contains: VINYLTRIS (2-BUTANONEOXIME) SILANE
AMINOPROPYLTRITHOXYSILANE
May produce an allergic reaction

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection
P302+P352 IF ON SKIN: Wash with plenty of soap and water
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
Contains: METHYLTRIS (2-BUTANONEOXIME) SILANE

Contact Details

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2.3 Other Hazards:

Information not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Information not relevant

3.2 Mixtures:

Identification	Conc. %	Classification 67/548/EEC	Classification 1272/2008 (CLP)
METHYLTRIS (2-BUTANONEOXIME) SILANE			
CAS. 22984-54-9	1 – 5		Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317
EC. 218-747-8			
INDEX -			
TOLUENE			
CAS. 108-88-3	0 – 0.1	Repr. Cat. 3 R63, R67, F R11, Xn R48/20, Xn R65, Xi R38	Flam. Liq. 2 H225, Repr. 2 H361d, Asp. Tox. 1 H304, STOT RE 2 H373, Skin Irrit. 2 H315, STOT SE 3 H336
EC. 203-625-9			
INDEX. 601-021-00-3			

Note: Upper Limit is not included into the range.
The full wording of the Risk (R) and Hazard (H) phrases is given in section 16 of the sheet.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:

Not specifically necessary. Observance of good industrial hygiene is recommended.

4.2 Most Important Symptoms and Effects, both Acute and Delayed:

No episodes of damage to health ascribable to the product have been reported.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed:

Information not available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media:

Extinguishing substances are: Carbon Dioxide, Foam, and Chemical Powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

DO NOT use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2 Special Hazards Arising from the Substance or Mixture:

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

5.3 Advice for Fire-fighters:

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137)

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

6.2 Environmental Precautions:

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3 Methods and Material for Containment and Cleaning-Up:

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4 Reference to Other Sections:

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

7.2 Conditions for Safe Storage, Including and Incompatibilities:

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

7.3 Specific End Use(s):

Information not available.

SECTION 8: HANDLING AND STORAGE

8.1 Control Parameters:

Information not available.

8.2 Exposure Controls:

As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration. Personal protection equipment must comply with the rules in force indicated below.

Hand protection:	Protect hands with category II (ref. Directive 89/686/EEC and standard EN 374) work gloves, such as those in PVC, neoprene, nitril or equivalent. The following should be considered when choosing work glove material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be unpredictable. Gloves' limit depends on the duration of exposure.
Eye Protection:	Wear eye protective airtight goggles (ref. Standard EN 166)
Skin Protection:	Wear category II professional long-sleeved overalls and safety footwear (ref. Directive 89/686/CEE and standard EN 344). Wash body with soap and water after removing overalls.
Respiratory Protection:	If the threshold value (if available) for one or more of the substances present in the preparation for daily exposure in the workplace or a fraction established by the company's prevention and protection service is exceeded , wear a mask with a or universal filter, the class (1, 2 or 3) of which must be chosen according to the limit concentration of use (ref. Standard EN 141). The use of respiratory tract protection equipment, such as masks like that indicated above, is necessary to reduce worker exposure

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in the absence of technical measures. The protection provided by masks is in any case limited.

If the substance in question is odourless or its olfactory threshold is higher than the relative exposure limit and in the event of an emergency, or when exposure levels are unknown or the concentration of oxygen in the workplace is less than 17% volume, wear self-contained, open circuit compressed air breathing apparatus (ref. Standard EN137) or fresh air hose breathing apparatus for use with full face mask, half mask or mouthpiece (ref. Standard EN138)

An emergency eye washing and shower system must be provided.

Environmental Exposure Controls:

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance:	Paste
Colour:	white
Odour:	Characteristic
Odour threshold:	Not available
pH.:	Not available
Melting point/freezing point:	Not available
Initial boiling point:	Not available
Boiling range:	Not available
Flash point:	> 150°C
Evaporation rate:	Not available
Flammability of solids and gases:	Not available
Lower inflammability limit:	Not available
Upper inflammability limit:	Not available
Lower explosive limit:	Not available
Upper explosive limit:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	Not available
Solubility:	immiscible with water
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	> 400°C
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidising properties:	Not available

9.2 Other Information:

Information not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical Stability:

The product is stable in normal conditions of use and storage.

10.3 Possibility of Hazardous Reactions:

No hazardous reactions are foreseeable in normal conditions of use and storage.

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10.4 Conditions to Avoid:

None in particular. However the usual precautions used for chemical products should be respected.

10.5 Incompatible Materials:

Information not available

10.6 Hazardous Decomposition Products:

Information not available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substance it contains, using the criteria specified on the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include: erythemas, edemas, papules, vesicles, pustule, scurvies, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas.

Erythemas, edemas and exudative phenomena prevail during the acute phase. Scuffy skin, dryness, ulcerations and skin thickening prevail during the chronic phase.

TOLUENE

LD50 (Oral)	5580 mg/kg Rat
LD50 (Dermal)	12124 mg/kg Rabbit
LC50 (Inhalation)	28.1 mg/l/4h Rat

METHYLTRIS (2-BUTANONEOXIME) SILANE

LD50 (Oral)	2528 mg/kg
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SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Information not available

12.2 Persistence and Degradability:

Information not available

12.3 Bioaccumulative Potential:

Information not available

12.4 Mobility in Soil:

Information not available

12.5 Results of PBT and vPvB Assessment:

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%

12.6 Other Adverse Effects:

Information not available

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waster containing this product should be evaluated according to applicable regulations.
Disposal must be preformed through an authorised waste management firm, in compliance with national and local regulations.
Avoid littering; Do not contaminate soil, sewer or waterways.
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14: TRANSPORT INFORMATION

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1 UN Number:

N/A

14.2 UN Proper Shipping Name:

N/A

14.3 Transport Hazard Class(es):

N/A

14.4 Packing Group:

N/A

14.5 Environmental Hazards:

N/A

14.6 Special Precautions for User:

N/A

14.7 Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code:

N/A

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health & Environmental Regulations/Legislation Specific for the Substance or Mixture:

Seveso Category	None
Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006 Product.	Point 3
Substances in Candidate List (ART. 59 REACH)	None
Substances subject to authorisation (Annex XIV REACH)	None
Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008	None
Substances subject to Rotterdam Convention	None
Substances subject to the Stockholm Convention	None
Healthcare Controls	Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risk related to the worker's health and safety are modest and the 98/24/EC directive is respected.

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15.2 Chemical Safety Assessment:

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16: OTHER INFORMATION

Incorrect application can cause degradation of the product. Observe the maximum recommended processing temperature for this product found on the appropriate technical data sheet. If necessary contact the technical service department for advice.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 2	Flammable liquid, category 2
Repr. 2	Reproductive toxicity, category 2
Asp. Tox. 1	Aspiration hazard, category 1
STOT RE 2	Specific target organ toxicity – repeated exposure, category 2
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
STOT SE 3	Specific target organ toxicity – single exposure, category 3
H225	Highly flammable liquid and vapour
H361d	Suspected of damaging the unborn child
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs through prolonged or repeated exposure
H319	Causes serious eye irritation
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H336	May cause drowsiness or dizziness

Text of risk (R) phrases mentioned in section 2-3 of this sheet:

R11	HIGHLY FLAMMABLE
R38	IRRITATING TO SKIN
R48/20	HARMFUL: DANGER OF SERIOUS DAMAGE TO HEALTH BY PROLONGED EXPOSURE THROUGH INHALATION.
Repr. Cat. 3	Reproductive toxicity, development, category 3
R63	POSSIBLE RISK OF HARM TO THE UNBORN CHILD
R65	HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED
R67	VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their particular use.

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