

MATERIAL: TECHSIL® CA UNIVERSAL 100cPs

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

- 1.1 Product Name:** TECHSIL® CA Universal 100cPs
1.2 Product Use: Adhesive, Sealant
1.3 Supplier: Techsil Ltd
34 Bidavon Industrial Estate
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Warwickshire
B50 4JN
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- 1.4 Emergency Telephone:** +44(0)7971 228794

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture:

Classification under CHIP: Xi: R36/37/38
Classification under CLP: STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315;-; EUH202
Most important adverse effects: Irritating to eyes, respiratory system and skin.

2.2 Label Elements:

Label elements Under CLP:

Hazard Pictograms: GHS07: Exclamation mark



Signal Words: Warning

Hazard statements:

H315: Causes skin irritation.
H319: Causes serious eye irritation
H335: May cause respiratory irritation.
EUH202: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

Precautionary statements: -

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312: Call a POISON CENTER or doctor if you feel unwell.

Label elements Under CHIP:

Hazard Pictograms: Irritant.



Risk phrases: R36/37/38: Irritating to eyes, respiratory system and skin.

Safety phrases: S2: Keep out of the reach of children
S46: If swallowed, seek medical advice immediately and show this container label.

Contact Details

Precautionary phrases: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep put of the reach of children.

2.3 Other Hazards:

This product is not identified as a PBT/vPvB substance.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

| Identification | Percent % | CHIP Classification | Classification 1272/2008 (CLP). |
|----------------|-----------|---------------------|---------------------------------|
|----------------|-----------|---------------------|---------------------------------|

**Hazardous ingredients:
ETHYL-2-CYANOACRYLATE**

| | | | | |
|------|-----------|-----|---------------|--|
| CAS. | 7085-85-0 | >90 | Xi: R36/37/38 | Eye Irrit. 2 : H319 ; STOT SE 3 : H335 ; Skin Irrit. 2 : H315 |
| EC. | 230-391-5 | | | |

**Non-classified ingredients:
HYDROQUINONE**

| | | | | |
|------|-----------|----|---|--|
| CAS. | 123-31-9 | <1 | Xn:R40;Xn: R68;Xn:R22;Xi: R41;Sens.:R43; N:R50 | |
| EC. | 204-617-8 | | | |

3.2 Mixtures:

-

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. Consult a doctor
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely
Ingestion: There may be soreness and redness of the mouth and throat
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Eye bathing equipment should be available on the premises.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media:

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2 Special Hazards Arising from the Substance or Mixture:

In combustion emits toxic fumes.

5.3 Advice for Fire-fighters:

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Contact Details

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**
Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.
- 6.2 Environmental Precautions:**
Do not discharge into drains or rivers. Contain the spillage using bunding.
- 6.3 Methods and Material for Containment and Cleaning-Up:**
Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.
- 6.4 Reference to Other Sections:**
Refer to section 8 of SDS.

SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for Safe Handling:**
Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.
- 7.2 Conditions for Safe Storage, Including and Incompatibilities:**
Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.
Suitable packaging: Polyethylene.
- 7.3 Specific End Use(s):**
No data available.

SECTION 8: HANDLING AND STORAGE

8.1 Control Parameters:

Hazardous ingredients:
ETHYL-2-CYANOACRYLATE

| Workplace exposure limits: | | | Respirable dust: | |
|----------------------------|------------|-----------------------|------------------|--------------|
| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
| UK | - | 1.5 mg/m ³ | - | - |

DNEL/PNEC
Techsil® CA Universal 100cPs

| Type | Exposure | Value | Population | Effect |
|------|------------|------------------------|--------------------|----------|
| DNEL | Inhalation | 9.25 mg/m ³ | Workers | Local |
| DNEL | Inhalation | 9.25 mg/m ³ | Workers | Systemic |
| DNEL | Inhalation | 9.25 mg/m ³ | General Population | Local |
| DNEL | Inhalation | 9.25 mg/m ³ | General Population | Local |

8.2 Exposure Controls:

Engineering measures: Ensure there is sufficient ventilation of the area.
Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.
Hand protection: Protective gloves.
Eye protection: Safety glasses. Ensure eye bath is to hand.
Skin protection: Protective clothing.

Contact Details

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

| | | | |
|------------------------|-----------------------|-----------------------------|-------------------|
| State: | Liquid | | |
| Colour: | Colourless | | |
| Odour: | Characteristic odour | | |
| Evaporation rate: | No data available | | |
| Oxidising: | No data available | | |
| Solubility in water: | Reacts with water | | |
| Also soluble in: | Acetone | | |
| Viscosity: | Viscous | | |
| Kinematic viscosity: | 100-200 | | |
| Viscosity test method: | Cone and Plate @ 25°C | | |
| Boiling Point/range °C | >149 | Melting point/range °C: | No data available |
| Flammability limits %: | | | |
| Lower | No data available | Upper: | No data available |
| Flash point°C: | 80-93.4 | Part.coeff.n-octanol/water: | No data available |
| Autoflammability °C: | 450 | Vapour pressure: | <700 mbar |
| Relative density: | 1.05 | pH: | Not applicable |
| VOC g/l: | <20 | | |

9.2 Other Information:

Information not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No data available

10.2 Chemical Stability:

Stable under recommended transport or storage conditions.

10.3 Possibility of Hazardous Reactions:

Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to Avoid:

Moist air. Heat.

10.5 Incompatible Materials:

Water. Strong oxidising agents. Strong acids.

10.6 Hazardous Decomposition Products:

In combustion emits toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Toxicity values:

| Route | Species | Test | Value | Units |
|--------|---------|------|-------|-------|
| DERMAL | RBT | LD50 | >2000 | mg/kg |
| ORAL | RAT | LD50 | >5000 | mg/kg |

Hazardous ingredients:

ETHYL-2-CYANOACRYLATE

| | | | | |
|-----|-----|------|----|-------|
| ORL | RAT | LD50 | >5 | ml/kg |
|-----|-----|------|----|-------|

Relevant effects for mixture:

| Effect | Route | Basis |
|------------|-------------|-----------------------|
| Irritation | OPT INH DRM | Hazardous: calculated |

Symptoms/routes of exposure

Contact Details

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.
Exposure may cause coughing or wheezing.
Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

No data available.

12.2 Persistence and Degradability:

Biodegradable.

12.3 Bioaccumulative Potential:

No bioaccumulation potential.

12.4 Mobility in Soil:

Readily absorbed into soil.

12.5 Results of PBT and vPvB Assessment:

This product is not identified as a PBT/vPvB substance.

12.6 Other Adverse Effects:

Negligible ecotoxicity.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Waste code number: 08 04 09

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: TRANSPORT INFORMATION

14.1 UN Number:

UN3334

14.2 UN Proper Shipping Name:

AVIATION REGULATED LIQUID, N.O.S.
(ETHYL-2-CYANOACRYLATE)

14.3 Transport Hazard Class(es):

9

14.4 Packing Group:

III

14.5 Environmental Hazards:

Environmentally hazardous: No Marine pollutant: No

14.6 Special Precautions for User:

No special precautions.

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

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SECTION 15: REGULATORY INFORMATION

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

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15.2 Chemical Safety Assessment:

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Contact Details

SECTION 16: OTHER INFORMATION

Phrases used in s.2 and s.3:

| | |
|------------|--|
| EUH202: | Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children. |
| H302: | Harmful if swallowed. |
| H315: | Causes skin irritation. |
| H317: | May cause an allergic skin reaction |
| H318: | Causes serious eye damage. |
| H319: | Causes serious eye irritation. |
| H335: | May cause respiratory irritation. |
| H341: | Suspected of causing genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.) |
| H351: | Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. |
| H400: | Very toxic to aquatic life. |
| R22: | Harmful if swallowed. |
| R36/37/38: | Irritating to eyes, respiratory system and skin. |
| R40: | Limited evidence of a carcinogenic effect. |
| R41: | Risk of serious damage to eyes |
| R43: | May cause sensitisation by skin contact |
| R50: | Very toxic to aquatic organisms. |
| R68: | Possible risk of irreversible effects. |

Legend to abbreviations:

| | |
|--------|---------------------------------|
| PNEC = | predicted no effect level |
| DNEL = | derived no effect level |
| LD50 = | median lethal dose |
| LC50 = | median lethal concentration |
| EC50 = | median effective concentration |
| IC50 = | median inhibitory concentration |
| dw = | dry weight |
| bw = | body weight |
| cc = | closed cup |
| oc = | open cup |
| MUS = | mouse |
| GPG = | guinea pig |
| RBT = | rabbit |
| HAM = | hamster |
| HMN = | human |
| MAM = | mammal |
| PGN = | pigeon |
| IVN = | intravenous |
| SCU = | subcutaneous |
| SKN = | skin |
| DRM = | dermal |
| OCC = | ocular/corneal |
| PCP = | phyco-chemical properties |

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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