

**Material:** Techsil® Fast Cyanoacrylate 95

**SDS Revision:** 1

**Revision Date:** 16th January 2015

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

**1.1 Product Name:** Techsil® Fast Cyanoacrylate 95

**1.3 Supplier:** Techsil Ltd  
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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: F: R11; Xi: R36; -: R67  
 Classification under CLP: Eye Irrit. 2: H319; STOT SE 3: H336  
 Most important adverse effects: Highly flammable. Irritating to eyes. Vapours may cause drowsiness and Dizziness

**2.2 Label Elements:**

Label elements under CLP: H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness

Hazard statements:

Signal words:

Hazard pictograms:

Warning  
GHS07: Exclamation mark



Precautionary statements:

P261: Avoid breathing.  
 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 person to fresh air and keep 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/doctor//if you feel unwell

Label elements under CHIP:

Hazard symbols:

Highly flammable.  
Irritant.



Risk phrases:

R11: Highly flammable.  
 R36: Irritating to eyes.  
 R67: Vapours may cause drowsiness and dizziness.

**2.3 Other Hazards:**

In use, may form flammable / explosive vapour-air mixture.

**PBT:**

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

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances:****3.2 Mixtures:**

Hazardous ingredients:

PROPAN-2-OL

EINECS	CAS	CHIP Classification	CLP Classification	Percent
200-661-7	67-63-0	F: R11; Xi: R36; -: R67	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	>90%

**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:**

Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

**5.2 Special Hazards Arising from the Substance or Mixture:**

Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

**5.3 Advice for Fire-fighters:**

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

**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. Eliminate all sources of ignition.

**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. Do not use equipment in clean-up procedure which may produce sparks.

**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. Smoking is forbidden. Use non-sparking tools.

**7.2 Conditions for Safe Storage, Including and Incompatibilities:**

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

**7.3 Specific End Use(s):**

No data available.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control Parameters:**

Hazardous ingredients:

**PROPAN-2-OL**

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min STEL
UK	999 mg/m <sup>3</sup>	1250 mg/m <sup>3</sup>	-	-

**DNEL/PNEC Values**

No data available.

**8.2 Exposure Controls:**

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

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.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on Basic Physical and Chemical Properties:**

State: Liquid

Colour: Colourless

Odour: Alcoholic

Evaporation rate: Fast

Oxidising: No data available.

Solubility in water: Highly soluble

Also soluble in: Most organic solvents.

Viscosity: Non-viscous

Boiling point/range°C: 82.6

Flammability limits %: lower: No data available.

Flash point°C: 11.7

Autoflammability°C: No data available.

Relative density: ~0.85

VOC g/l: No data available.

Melting point/range°C: No data available.

upper: No data available.

Part.coeff. n-octanol/water: No data available.

Vapour pressure: No data available.

pH: Not applicable.

**9.2 Other Information:**

No data available.

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity:**

Stable under recommended transport or storage conditions.

**10.2 Chemical Stability:**

Stable under normal conditions. Stable at room temperature.

**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:**

Heat. Hot surfaces. Sources of ignition. Flames.

**10.5 Incompatible Materials:**

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:****Hazardous Ingredients:****PROPAN-2-OL**

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)		Hazardous: calculated
Irritation	OPT	Hazardous: calculated
Sensitisation		Hazardous: calculated
Repeated dose toxicity		Hazardous: calculated
Toxicity for reproduction		Hazardous: calculated

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.  
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:**  
UN1219
- 14.2 UN proper shipping name**  
ISOPROPANOL (ISOPROPYL ALCOHOL)
- 14.3 Transport hazard class(es)**  
3
- 14.4 Packing group**  
II
- 14.5 Environmental hazards**  
Environmentally hazardous: No Marine pollutant: No
- 14.6 Special precautions for user**  
Special precautions: No special precautions.  
Tunnel code: D/E  
Transport category: 2

#### SECTION 15: REGULATORY INFORMATION

- 15.2 Chemical Safety Assessment:**

#### SECTION 16: OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Phrases used in s.2 and 3: H225: Highly flammable liquid and vapour.  
H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness. R11: Highly flammable.  
R36: Irritating to eyes.  
R67: Vapours may cause drowsiness and dizziness.

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