



HEALTH AND SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT AND SUPPLIER

Product Name	Contact Adhesive S
Supplier	Tiflex Limited Tiflex House Liskeard, Cornwall PL14 4NB.
Telephone	+44 (0)1579 320808
Fax	+44 (0)1579 320802

2. HAZARDOUS INGREDIENTS

Ingredient	CAS No.	Approx. %	Hazard Classification and Risk Phrases
Toluene	108-88-3	10-30%	F, Xn. R11, R20
Acetone	67-64-1	10-30%	F, Xi, R11, R36, R66, R67
Mixed Aliphatic Hydrocarbons		10-30%	F, Xi, N, R11, R38, R67, R51/53

3. HAZARDS IDENTIFICATION

Main Hazards: Highly flammable. Harmful by inhalation. Irritating to eyes and skin. Repeated exposure may cause skin dryness or cracking. Harmful to Aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other Hazard: In use may form flammable/ explosive vapour-air mixture.

4. FIRST AID MEASURES (SYMPTOMS)

Eye Contact: There may be irritation and redness. The eyes may water profusely.

Skin Contact: There may be irritation and redness at the site of contact.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

4. FIRST AID MEASURES (ACTION)

Eye Contact: Bathe the eye with plenty of water, continue to rinse for at least 15 minutes. Seek medical advice if symptoms persist.

Skin Contact: Remove all contaminated clothing and footwear immediately, unless stuck to the skin. Remove from skin with paper or a towel. Wash affected area with plenty of soap and water. Seek medical advice if symptoms persist.

Inhalation: Remove casualty to fresh air at once, keep warm and at rest. If recovery is not rapid or complete consult a physician.

Ingestion: Immediately wash mouth with water. DO NOT INDUCE VOMITING. If conscious give half a litre of water to drink immediately. Consult a physician.

5. FIRE FIGHTING MEASURES

- Extinguishing Media:** Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.
- Exposure Hazards:** Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.
- Personal Protection:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. SPILLAGE AND ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Ensure full PPE is worn. Eliminate all sources of ignition. Keep any unauthorised personnel away.
- Environmental precautions:** DO NOT discharge into drains or rivers. Contain spillages with bunding.
- Clean-up procedures:** Absorb into dry earth, sand or other vermiculate. Transfer to a suitable, sealable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

7. HANDLING AND STORAGE

- Handling Precautions:** 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.
- Storage:** 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT

Occupational exposure limits.

TWA (8 hr exposure limit):	50 ppm	(OES)
STEL (15 min exposure limit):	150 ppm	(OES)

Hazardous ingredients:	Toluene	TWA (8 hr exposure limit):	191 mg/m ³
		STEL (15 min exposure limit):	574 mg/m ³
	Acetone	TWA (8 hr exposure limit):	1210 mg/m ³
		STEL (15 min exposure limit):	3620 mg/m ³
	Mixed Aliphatic Hydrocarbons	TWA (8 hr exposure limit):	1000 mg/m ³
		STEL (15 min exposure limit):	

- Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.
- Respiratory protection:** If exposure levels are likely to be exceeded, use a face mask fitted with an AXP3 filter for short term low level exposures. For long term or high level exposures, or when spraying, compressed airline breathing apparatus should be used.
- Hand protection:** Impermeable gloves. Viton gloves.
- Eye protection:** Safety glasses. Ensure eye bath is to hand.
- Skin protection:** Impermeable protective clothing.

9. PHYSICAL CHARACTERISTICS

Form:	Cream coloured liquid
Odour:	Charateristic
Evaporation Rate:	Moderate
Oxidising:	Non-oxidising (by EC criteria)
Solubility in Water:	Not miscible
Viscosity:	Viscous
Viscosity value:	40
Viscosity test method:	Flow time in seconds in a 3mm ISO cup (ISO 2431)
Boiling point/range°C:	65
Flammability limits %:	Lower 0.9 Upper 8
Flash Point°C:	-35°C
Autoflammability °C:	200
Relative Density:	0.85

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions. Stable at room temperature.
Conditions to avoid:	Heat. Hot surfaces. Sources of ignition. Flames.
Materials to avoid:	Strong oxidising agents. Strong acids.
Haz. decomp. products:	In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients:	Toluene IVN RAT LD50 1960 mg/kg ORL MUS LD50 2 gm/kg ORL RAT LD50 6900 mg/kg Acetone IVN RAT LD50 5500 mg/kg ORL MUS LD50 3 gm/kg ORL RAT LD50 5800 mg/kg Mixed Aliphatic Hydrocarbons ORL RAT LD50 >5000 mg/kg
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Chronic toxicity:	Danger of serious damage to health by prolonged exposure through inhalation.
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12. ECOLOGICAL INFORMATION

Mobility:	Readily absorbed into soil.
Persistence and degradability:	Biodegradable in part only.
Other adverse effects:	Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

Waste Disposal:	Arrange for disposal by specialised disposal company.
Disposal of Packaging:	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.
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14. TRANSPORTATION INFORMATION

		ADR / RID	
UN No.	1133	ADR Class	3
Shipping Name	Adhesives		
Labelling	3	Hazard ID No.	33
		IMDG / IMO	
UN No.	1133	Class	3
Packing Group	II	EmS	3-05
Marine Pollutant	Yes	Labelling	3
		IATA / ICAO	
UN No.	1133	Class	3
Packing Group	II	Packing Instructions	307
Labelling	3		

15. REGULATORY INFORMATION

Hazard Symbols



Highly Flammable
Harmful

Risk Phrases

R20	Harmful by inhalation.
R36/38	Irritating to eyes and skin.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases

R66	Repeated exposure may cause skin dryness or cracking.
S16	Keep away from sources of ignition, NO SMOKING.
S33	Take precautionary measures against static discharges.
S23	Do NOT breathe vapour.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S61	Avoid release into the environment - Refer to special instructions / Safety Data Sheet.
S2	Keep out of reach of children
S9	Keep container in a well-ventilated place.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to that described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk Phrases used in section 2:	R11	Highly Flammable.
	R20	Harmful by inhalation.
	R36	Irritating to eyes.
	R66	Repeated exposure may cause skin dryness and cracking.
	R67	Vapours may cause drowsiness and dizziness.
	R38	Irritating to skin.
	R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Information on this Health and Safety Data Sheet is drawn from a variety of sources, including raw material suppliers data, and other published sources.

This 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 as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy his/herself as to the suitability of such information for his/her own particular use. This product falls within the scope of the Control of Substances Hazardous to Health (COSHH) Regulations. Users are reminded that this document does not in itself constitute an assessment of workplace risk as required by those regulations.