

# SAFETY DATA SHEET

## Toluene Free Contact Adhesive

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME Toluene Free Contact Adhesive  
SUPPLIER Sanglier Limited  
Shelley Close  
Lowmoor Business Park  
Kirkby In Ashfield  
NG17 7ET  
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### 2 HAZARDS IDENTIFICATION

Highly flammable. Vapours may cause drowsiness and dizziness. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xi;R36/38. F;R11. N;R51/53. R67.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ACETONE	200-662-2	67-64-1	10-30%	F;R11 Xi;R36 R66 R67
CYCLOHEXANE	203-806-2	110-82-7	10-30%	F;R11 Xn;R65 Xi;R38 R67 N;R50/53
ETHYL ACETATE	205-500-4	141-78-6	10-30%	F;R11 Xi;R36 R66 R67
Mixed Aliphatic Hydrocarbon			30-60%	Xi;R38. F;R11. N;R51/53. R67.

The Full Text for all R-Phrases are Displayed in Section 16

### 4 FIRST-AID MEASURES

#### INHALATION

There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. In case of persistent throat irritation or coughing: Seek medical attention and bring these instructions.

#### INGESTION

If conscious, give 1 pint of water to drink immediately. Rinse mouth out with water, do not induce vomiting, provide fresh air and keep patient at rest. Seek medical attention.

#### SKIN CONTACT

There may be irritation and redness at the site of contact Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water. Get medical attention if any discomfort continues.

#### EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring these instructions.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Use: Foam, carbon dioxide or dry powder. Cool containers with water spray.

#### SPECIFIC HAZARDS

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. In case of fire, toxic gases may be formed.

#### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent escape of liquid. Mark contaminated areas with signs and prevent access to unauthorised personnel.

#### ENVIRONMENTAL PRECAUTIONS

Avoid discharge into water courses or onto the ground.

# Toluene Free Contact Adhesive

## SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Provide good ventilation. Avoid forming spray mists/aerosols. Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented.

### STORAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Keep containers tightly closed. Store in a cool place.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
ACETONE	WEL	500 ppm	1210 mg/m <sup>3</sup>	1500 ppm	3620 mg/m <sup>3</sup>	
CYCLOHEXANE	WEL	100 ppm	350 mg/m <sup>3</sup>	300 ppm	1050 mg/m <sup>3</sup>	
ETHYL ACETATE	WEL	200 ppm		400 ppm		

WEL = Workplace Exposure Limit.

### ENGINEERING MEASURES

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours. Ensure that lighting and electrical equipment are not sources of ignition.

### RESPIRATORY EQUIPMENT

If exposure limits are likely to be exceeded, use a full face mask fitted with an organic filter for short term exposures. For long term or high level exposures, or when spraying, compressed airline breathing apparatus should be used.

### HAND PROTECTION

Protective gloves should be used if there is a risk of direct contact or splash. Use protective gloves made of: Viton rubber (fluor rubber).

### EYE PROTECTION

Wear approved safety goggles.

### SKIN PROTECTION

Wear apron or protective clothing in case of splashes.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Amber		
ODOUR	Characteristic		
BOILING POINT (°C)	56	RELATIVE DENSITY	.82
EVAPORATION RATE	fast	FLASH POINT (°C)	-35
AUTO IGNITION TEMPERATURE (°C)	200	FLAMMABILITY LIMIT - LOWER(%)	0.6
FLAMMABILITY LIMIT - UPPER(%)	11.5		

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

### MATERIALS TO AVOID

Strong oxidising substances. Strong acids.

### HAZARDOUS DECOMPOSITION PRODUCTS

In combustion emits toxic fumes

## 11 TOXICOLOGICAL INFORMATION

Name	CYCLOHEXANE
Toxic Dose 1 - LD 50	12705 mg/kg (oral rat)
Toxic Dose 2 - LD 50	813 mg/kg (oral-mouse)

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Name	ACETONE
Toxic Dose 1 - LD 50	3 mg/kg (oral-mouse)
Toxic Dose 2 - LD 50	5800 mg/kg (oral rat)
Name	ETHYL ACETATE
Toxic Dose 1 - LD 50	4100 mg/kg (oral-mouse)
Toxic Dose 2 - LD 50	5620 mg/kg (oral rat)
Name	Mixed Aliphatic Hydrocarbon
Toxic Dose 1 - LD 50	>5000 mg/kg (oral rat)

### 12 ECOLOGICAL INFORMATION

#### MOBILITY

Volatile

#### BIOACCUMULATION

No data available on bioaccumulation.

#### DEGRADABILITY

Biogradable in part only.

Name	CYCLOHEXANE
	ACETONE
	ETHYL ACETATE
	Mixed Aliphatic Hydrocarbon

### 13 DISPOSAL CONSIDERATIONS

#### DISPOSAL METHODS

Arrange disposal with a licensed waste disposal company.

### 14 TRANSPORT INFORMATION



UK ROAD CLASS	3		
PROPER SHIPPING NAME	Adhesives		
UN NO. ROAD	1133	UK ROAD PACK GR.	II
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	II	HAZARD NO. (ADR)	33 Highly flammable liquid (flash-point below 23°C).
UN NO. SEA	1133	IMDG CLASS	3
IMDG PACK GR.	II	EMS	F-S, S-D
UN NO. AIR	1133	AIR CLASS	3
AIR PACK GR.	II		

### 15 REGULATORY INFORMATION

#### LABELLING



Irritant



Highly Flammable



Dangerous for the environment

#### RISK PHRASES

R11	Highly flammable.
R36/38	Irritating to eyes and skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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SAFETY PHRASES	R67	Vapours may cause drowsiness and dizziness.
	S9	Keep container in a well-ventilated place.
	S16	Keep away from sources of ignition - No smoking.
	S24/25	Avoid contact with skin and eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S29/56	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
	S37	Wear suitable gloves.
	S46	If swallowed, seek medical advice immediately and show this container or label.
	S51	Use only in well-ventilated areas.
	S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
	S64	If swallowed, rinse mouth with water (only if the person is conscious).

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### 16 OTHER INFORMATION

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DATE 9 October 2008

#### RISK PHRASES IN FULL

R11	Highly flammable.
R36	Irritating to eyes.
R38	Irritating to skin.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.