

MATERIAL SAFETY DATA SHEET

according to EU Directive 93/112/EC

CONTACT CLEANER

Version: 2

Print date: 24.5.04

**1. Identification of Substance/Preparation and Company**

Product Name Contact Cleaner
Company Biokil Crown Ltd
7 Stadium Ind Park, Long Eaton
Nottingham, NG10 2DD
Telephone 0115 946 0060
Fax 0115 946 9767
Emergency Telephone 07967 10 71 95

2. Composition / Information on ingredients

Ingredient Name	Content	Health (class)	Risk (R No)
Toluene	75%	F.Xn	R11 – 20
Acetone	25%	F	R11

3. Hazards identification

Highly Flammable

Harmful By Inhalation

Toluene is harmful by inhalation and irritating to the upper respiratory tract. Exposure to levels in excess of the OES may result in dizziness, loss of co-ordination or even unconsciousness

4. First aid measures

Eye Contact

Toluene vapour can irritate the eyes and splashed liquid can cause irritation and transient, mild conjunctivitis. Flush with water for at least 15 minutes and obtain medical attention urgently

Skin Contact

Toluene vapour and liquid are moderate skin irritants. Prolonged or repeated contact can give rise to severe irritation or cause dermatitis. Wash contaminated skin immediately with hand cleaner and soap and water.

Inhalation

Remove the affected person to fresh air. If there is difficulty with breathing give oxygen and obtain medical attention urgently

5. Fire fighting measures

Extinguishing Media

Fight fire with water spray, foam, dry chemical powder or carbon dioxide. Do not use water jet.

Explosion Hazard

Risk of drums bursting in a fire causing explosion. Keep drums cool by spraying with water.

Special Exposure Hazards

Preparation contains halogenated polymers which may give rise to toxic and corrosive combustion products such as hydrochloric acid

Personal Protection

Wear self contained breathing apparatus

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**6. Accidental release measures**

Fire Hazard	Extinguish naked flames and avoid sparks. Do not smoke
Personal Protection	Avoid contact with skin and eyes and avoid breathing the vapours. Wear goggles, gloves and respiratory protection where there is a risk of exposure to high vapour concentrations
Environmental Precautions	Prevent liquid entering sewers, basements and work pits where vapour may create an explosive atmosphere. If substance has entered drains inform police or fire service
Clean-up of Spillages	Absorb liquid in sand or earth and then remove to suitable place for subsequent disposal

7. Handling and storage

Precautions during Handling	Avoid inhaling vapour, avoid contact with skin and eyes, Handle in well ventilated area. All storage and transfer systems should be earthed to prevent build up of static electricity
Precautions during Storage	Store in accordance with the highly flammable liquids regulations. Temperatures in storage areas should not exceed 25°C. Drums should always be tightly closed after use
Packaging Materials	Mild steel, stainless steel. Many plastics are unsuitable

8. Exposure controls / personal protection

Exposure Limits	STD	Long Term Exposure	Short Term Exposure
Acetone	OES	750 ppm-1780 mg/m ³	1500ppm-3560mg/m ³
Toluene	OES	50 ppm-188 mg/m ³	150 ppm-560 mg/m ³

Ventilation Ensure good ventilation by means of extraction (local exhaust ventilation) at point of use where necessary

Personal Protective Equipment

Respiratory	Wear respiratory equipment where there is a risk of exposure to high vapour concentrations, i.e. above OES
Hand	Wear gloves
Eye	Wear chemical goggles
Skin	Wear protective clothing

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**9. Physical and chemical properties**

Appearance	Colourless liquid	
Odour	Pungent	
PH	N/A	
Boiling Point	Acetone	Toluene Mixed
	56°C	110°C
Melting Point	N/A	
Flash Point	30 °C (closed cup)	
Flammability	Highly Flammable Liquid	
Auto Ignition temperature	465°C (Acetone)	
Limits in Air VA/	LEL 2.5 Acetone	1.0 Toluene
	UEL 13.0 Acetone	7.0 Toluene
Oxidising Properties	N/A	
Viscosity at 20°C	Thin liquid	
Vapour pressure @ 20 °C KPa	24.1 Acetone	2.93 Toluene
Relative Density @ 20°C	0.85	
Solubility	(i) Water - Acetone soluble - rest insoluble	
	(ii) Fat - soluble in hydrocarbons, ketones .	
	(iii)	

10. Stability and reactivity

Stability: Stable under normal conditions of storage and use

11. Toxicological information

LD50 oral (Rats)	Acetone 3.98 g/kg Toluene 5.50 g / kg 11.2	
LD50Dermal (Rabbits)	Acetone greater than 8.0 ml / kg 11.3)	
LC50 Inhalation (Rats)	Acetone Not known Toluene 4600ppm	
Effects of Exposure	Eyes	May cause conjunctive irritation and corneal damage
	Skin	Mild irritant but prolonged contact can cause more severe effects such as dermatitis
	Inhalation	Irritation of the respiratory tract. High concentrations may depress CNS with loss of consciousness
	Ingestion	Low acute toxicity, may cause gastro intestinal irritation and CNS depression leading to unconsciousness. Aspiration into lungs may cause chemical pneumonitis and lung damage

12. Ecological information

Mobility	Not known
Persistence and Degradability	Acetone is very readily Biodegradable, the main hazard in surface waters being oxygen depletion. Toluene is readily biodegradable. It will float on water but evaporates rapidly
Bioaccumulation	Acetone does not bioaccumulate and toluene has low potential to bioaccumulate
Ecotoxicity	Acetone is considered to be an insignificant toxic hazard to aquatic organisms and at most slightly toxic to mammalian wildlife. Toluene is only slightly toxic to aquatic organisms but harmful to mammalian wildlife

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**13. Disposal considerations**

Waste Disposal

Disposal of the wet adhesive is governed by the Control of Pollution (Special Wastes) Regulations 1980. Non-recoverable waste should be disposed of via a licensed waste disposal contractor. Dried material is non-hazardous

14. Transport information

UN No.

1992

CDG/CPL Label for Conveyance

Highly Flammable

15. Regulatory information

CHIP Regulation 9

Label for supply

Highly Flammable

Classification

F and Xn

CHIP Risk Phrases

R-11 Highly Flammable

R-20 Harmful by Inhalation

CHIP Safety Phrases

S9 Keep containers in a well ventilated place

S23 Do not breathe vapour

S25 Avoid contact with eyes

S29 Do not empty into drains

S33 Take precautionary measures against static discharges

S51 Use only in well ventilated areas

Regulatory References

CHIP Regulations 1990, Highly Flammable Liquid Regulations 1972, Health and Safety at Work Act 1974 COSHH Regulations 1988

16. Other Information

This adhesive should be used in accordance with the suppliers recommendations