

# SAFETY DATA SHEET

**PRODUCT:** PARTWELL CONTACT ADHESIVE TYPE 2  
**REF:** AD0010  
**DATE OF ISSUE:** 8<sup>th</sup> June 06  
**SUPPLIER:** Partwell Cutting Technology Specialists  
Bridge Works, Stanley Street, Blackburn, Lancs. BB1 3BW  
Tel: 01254 671875 Fax: 01254 674823

## COMPOSITION

Name	EC No	CAS-No	Content	Classification
Acetone	200-662-2	67-64-1	30 – 60%	F:R11 Xi R66 R67
Cyclopentane	206-016-6	287-92-3	1 – 5%	F:R11 R52/53
Heptane	205-563-8	142-82-5	10 – 30%	F:R11 Xn:R65 Xi R38 R67 N:50/53
Hexane Mixture of Isomers (Max 5% n- Hexane (203- 777-6)			5 – 10%	F:R11 Xn:R65 Xi R38 R67 N:50/53
Hexane – norm	203-777-6	110-54-3	<1%	F:R11 Repr3:R62 Xn:R65 R48/20 Xi:R38 R67 N:R51/53
Methylcyclohexane	203-624-3	108-87-2	1 – 5%	F:R11 Xn:R65 Xi:R38 R67 N:R51/53
Pentane	203-692-4	109-66-0	<1%	F:R12 Xn:R65 R66 R76 N:R51/53
Rosin	232-475-7	8050-09-7	1 – 5%	R43
Toluene	203-625-9	108-88-3	10 – 30%	F:R11 Repr. Cat. 3:R63 Xn:R48/20 R65 Xi R48/20 R65 Xi:R48/20, R65 Xi:R38 R67
	215-222-5	1314-13-2	<1%	N:r50/53

## HAZARD IDENTIFICATION

Irritating to skin and eyes. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child. Toxic to aquatic organisms may cause long term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness. May cause sensitisation by skin contact.

HIGHLY FLAMMABLE

CLASSIFICATION: Xn:R48/20. REP 3:R63. Xi:R36/38. R43. F:R11. N:R51/53. R67.

ENVIRONMENT

The product contains a substance which is hazardous to aquatic organisms and which may cause long-term adverse effects in the aquatic environment (see section ECOLOGICAL INFO)

PHYSICAL AND CHEMICAL HAZARDS

The product is highly flammable and explosive vapours/air mixtures may be formed even at normal temperatures.

## HUMAN HEALTH

Contains a substance/group of substances, which may cause harm to the unborn child. In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Irritating and degreasing to skin. Inhalation of vapour or mist may cause lung oedema.

### **FIRST AID MEASURES**

**INHALATION** Remove to fresh air immediately. Get medical attention.

**SKIN CONTACT:** Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water.

**EYE:** Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open lids widely. If irritation persists; continue flushing during transport to hospital. Take along instructions.

**INGESTION:** Do not induce vomiting. Immediately rinse mouth and provide fresh air. Get medical help immediately.

### **FIRE FIGHTING MEASURES**

**EXTINGUISHING MEDIA:** Extinguish with alcohol resistance foam, carbon dioxide or dry powder. Do not use water jet as an extinguisher, as this will spread the fire.

**SPECIAL FIRE FIGHTING PROCEDURES:** Water spray should be used to cool the containers.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Solvents vapours may form explosive mixtures with air. **HIGHLY FLAMMABLE**

**SPECIFIC HAZARDS:** 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.

### **ACCIDENTAL RELEASE MEASURES**

**PERSONNEL PRECAUTIONS:** Do not smoke, use naked flames or other sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. In case of inadequate ventilation use respiratory protection. Take precautionary measures against discharges. Use protective gloves, goggles and suitable protective clothing.

**ENVIRONMENTAL PRECAUTIONS:** Do not allow to enter drains, sewers or water courses.

### **CLEANING METHODS**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Dam and absorb spillages with sand, earth and other non-combustible material. Dispose as hazardous waste.

### **HANDLING PRECAUTIONS**

**USAGE PRECAUTIONS:** Handle in well-ventilated areas, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Take precautions against static discharges. All transfer equipment must be proof, do not eat, drink or smoke when using the product. Do not use in confined spaces without adequate ventilation and/or respirator. Observe workplace exposure limits and minimize the risk of inhalation of vapours and mists.

### **STORAGE PRECAUTIONS**

Do not store over heat sources or expose to high temperatures. Store in tightly closed original container in a cool, dry and well ventilated place. Store in closed original container at temperatures between 5°C and 30°C. Protect from freezing and direct sun light. Keep separate from food, feed stuffs, fertilizers and other sensitive material.

**STORAGE CLASS:** Flammable liquid storage

### **EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	LT – ppm	LT – mg/m3	ST – ppm	ST – mg/m3
Heptane	WEL	500ppm			
Toluene	WEL	50 ppm (Sk)	191 mg/m3	150 ppm (Sk)	574 mg/m3 (Sk)
Hexane – norm	WEL	20 ppm	72 mg/m3		
Acetone	WEL	500 ppm	1210 mg/m3	1500 ppm	3620 mg/m3

## **PROCESS CONDITIONS**

Use engineering controls to reduce air contamination to permissible exposure level. Provide eye wash, quick drench.

## **ENGINEERING MEASURES**

Provide adequate ventilation, including appropriate local extraction to ensure that the defined workplace exposure limit is not exceeded.

## **RESPIRATORY EQUIPMENT**

If ventilation is insufficient, suitable respiratory equipment must be provided.

## **HAND PROTECTION**

Protective gloves must be used if there is a risk of direct contact or splash.

## **EYE PROTECTION**

Use approved safety goggles or face shield.

## **PHYSICAL & CHEMICAL PROPERTIES**

Appearance	Viscous liquid
Colour	Amber
Odour	Aromatic
Volatility Description	Highly volatile
Boiling point	Range 55 - 111°C
Melting Point	N/A
Flash point	-26°C
Auto Ignition Temp	220°C
Flammability	Non-flammable
Auto ignition	N/A
Relative density	0.85 – 0.89 approx
Viscosity	2000 – 7000cPs @ 20°C
Solubility Value	None

## **STABILITY AND REACTIVITY**

STABILITY: Stable under normal temp conditions

CONDITIONS TO AVOID: Avoid heat, flames and other sources of ignition. Avoid exposure to high temp or direct sun light.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition or combustion may liberate carbon oxides and other toxic vapours.

## **TOXICOLOGICAL INFORMATION**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

INHALATION: Harmful by inhalation. Vapours may cause drowsiness and dizziness.

INGESTION: Irritating. May cause nausea, stomach pain and vomiting.

SKIN CONTACT: Product has defatting effect on skin. Repeated exposure may cause skin dryness or cracking.

EYE CONTACT: Irritating and may cause redness and pain. Risk of corneal damage.

## **ECOLOGICAL INFORMATION**

Biodegradability:	NONE KNOWN
Ecotoxicity:	NONE KNOWN
Bioaccumulative potential:	NONE KNOWN
Acute Fish Toxicity:	Very toxic to aquatic organisms

## **DISPOSAL CONSIDERATION**

Waste is classified as special waste. Disposal is licensed waste disposal site in compliance with local and national regulations.

## **TRANSPORT INFORMATION**

UK road class                    3

## **REGULATORY INFORMATION**

Contains Roslin Toulene

## **Risk Phrases referred to above**

- R11     Highly flammable
- R43     May cause sensation by skin contact
- R36/38 Irritating to skin and eyes
- R48/20 Harmful: danger of serious damage to health on prolonged contact
- R63     Possible risk of harm to the unborn child
- R51/53 Toxic to aquatic organisms, long term effects in aquatic environment
- R67     Vapours may cause drowsiness and dizziness

## Safety Phrases

- S9        Keep container in a well ventilated place
- S16        Keep away from sources of ignition
- S25        Avoid contact with eyes
- S26        In case of eye contact, rinse with cold water and seek medical advice
- S51        Use only in well ventilated areas
- S36/37    Wear suitable protective clothing and gloves
- S57        Use appropriate container to avoid environmental contamination
- S60        This material and its container must be disposed of as hazardous waste
- S61        Avoid release into the environment