

## Material Safety Data Sheet

**Product Name – 051080 Bonding Compound**

### 1. Product and Company Identification

Brand name: Bonding Compound.

Last updated: 01/03/2005 Data sheet last issued:

Approved use: Rubber adhesive

### 2. Composition/Information on Ingredients

Technical name:

Composition:

Balance - inert rubber compound

Ingredient	Composition (%)	Maximum Exposure Limits	Occupational Exposure Standards
Trichloroethylene CAS No - 79-01-6	>96	15 min - 150.00 ppm 15 min - 820.00 mg/m <sup>3</sup> 8 hour - 100.00 ppm 8 hour - 550.00 mg/m <sup>3</sup>	

### 3. Hazards Identification

Hazard category:



TOXIC

Means of entering the body:-

Inhalation: Yes

Skin/eye: Yes

Swallowed: Yes I

Injected: No

Exposure risk: This data sheet is based on a consideration of the properties of the constituents.

The main constituent of this product is classed as a Class 2 carcinogen.

### 4. First-Aid Measures

**EYES:** Flush copiously with clean running water for at least 15 minutes. If irritation/discomfort occurs, SEEK MEDICAL ADVICE.

**SKIN:** Remove contaminated clothing. Wash thoroughly with soap and water. If symptoms develop, SEEK MEDICAL ATTENTION.

**INHALATION:** If discomfort occurs or symptoms develop SEEK MEDICAL ADVICE. Remove to fresh air

**INGESTION:-**Do NOT induce vomiting. SEEK MEDICAL ADVICE URGENTLY

Rapid absorption may occur through the lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should be made by an attending physician. There is a danger from lung aspiration which must be weighed against toxicity when considering emptying the stomach.

Do not give sympathomimetic drugs unless absolutely necessary as cardiac arrhythmia may result with possible subsequent cardiac arrest.

**5. Fire-Fighting Measures** Fire risk: Bonding compound is not flammable. Fire fighting procedures: Cool containers by spraying with water if exposed to fire. Wear self contained breathing apparatus. Exposed to

the heat of a fire, this product may decompose, releasing a hydrogen chloride, carbon dioxide and carbon monoxide and small amounts of chlorine and phosgene.

## 6. Accidental Release Measures

Small spills: Mop up and allow evaporation.

Large spills: Evacuate area. Contain liquid and transfer to metal containers. Use appropriate PPE. Do not contaminate waterways. See disposal section for disposal method.

## 7. Handling and Storage

Handling: Avoid breathing vapours. Vapours of this product are heavier than air and will collect in low areas such as pits, storage tanks and other confined areas. Avoid contact with skin and eyes.

Storage: Keep in a cool, well ventilated, dry place. Avoid contact or storage in aluminium or its alloys along with zinc powders. Keep in tightly closed, clearly labelled containers.

## 8. Exposure Controls/Personal Protection

Use safety glasses/visor where splashing is likely.

Use gloves where frequent contact is likely - Butyl and nitrile gloves are recommended.

Where respiratory protection is required use a supplied air respirator.

EH40 exposure levels for trichloroethylene: LTEL (8hr TWVA) 100ppm STEL (15min ref)  
150ppm



CHEMICAL RESISTANCE GLOVES



PROTECTIVE GOGGLES

## 9. Physical and Chemical Properties

Appearance & odour: Viscous clear liquid with strong odour

Flash point (°C): Not known

Boiling point (°C): 87

Density (Kg/l): 1.44

## 10. Stability and Reactivity

CONDITIONS TO AVOID: Open flames, welding arcs or other high temperature sources.

MATERIALS TO AVOID: Materials to avoid: Aluminium and its alloys, water strong oxidising agents.

Hazardous Decomposition Products: The product can react with aluminium to produce hydrogen. Thermal decomposition products may include hydrogen chloride and small amounts of chlorine and phosgene along with carbon dioxide and carbon monoxide.

## 11. Toxicological Information

This assessment is based on a consideration of the composition of this product.

- EYES:** Liquid splashes and high concentration of vapours may cause irritation.
- INHALATION:** Harmful by inhalation. High atmospheric concentrations will lead to anaesthetic effects and adverse effects on the central nervous system. Minimal anaesthetic or narcotic effects may be seen in the range of 500-1000ppm for Trich. Progressively higher levels over 1000ppm may cause dizziness or drunkenness. Concentrations as low as 10000ppm can cause unconsciousness & death.
- SKIN:** Prolonged or repeated exposure may cause skin irritation. Will remove the natural greases resulting in dryness, cracking & dermatitis.
- INGESTION:** Single dose oral toxicity is expected to be low. However, if inhaled (liquid enters lungs), it may be rapidly absorbed through the lungs and result in injury to other body systems.
- Long Term Exposure: Trichloroethylene is a class 2 carcinogen and long term exposure above the recommended levels may result in irreversible damage

## 12. Ecological Information

Trichloroethylene has high volatility. Substance is sparingly soluble in water and has a low potential for bioaccumulation.

The solvent carrier is expected to biodegrade slowly, it evaporates rapidly from water and soil. This product does not

Persist in the atmosphere. It is naturally degraded to hydrogen chloride and carbon.

## 13. Disposal Considerations

Constitutes a special waste. Do not discharge into public sewers or drains.

Dispose in accordance with local/national regulations. Licensed waste contractor to dispose of any waste.

Do not re-use container.

## 14. Transport Information

UN Number: 2810

Proper shipping name: Toxic liquid organic NOS (contains trichloroethylene)

UN Packing group: III

Class: 6.1

EMS: F-A, S-A

## 15. Regulatory Information

Risk/Safety Codes	Description
R36/38	Irritating to eyes and skin
R45	May cause cancer
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic Environment
R67	Vapours may cause drowsiness and dizziness
S45	In case of accident or if you feel unwell, seek medical advice immediately (Show the labels where possible)
S53	Avoid exposure - obtain special instructions before use
S61	Avoid release to the environment. Refer to special instructions/safety data sheet

## 16. Other Information

The information contained in this safety data sheet does not constitute the users own assessment of workplace risk as required by other health and safety legislation. The provisions of the Health and Safety at Work Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product in the workplace. This product should not be used for purposes other than those for which it is designed. The information contained in this safety data sheet is based on present knowledge and current national legislation and meets the requirements of the Chemicals (Hazard Information and Packaging) Regulations. It provides guidance on health, safety and environmental aspects of the product and should not be construed as a guarantee of technical performance or suitability for particular applications