

ORIGINATED : 21/05/2001

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

**Product Name** : Bond

**Product Code** : BO 150

**Use/Description of Product** : Cyanoacrylate adhesive ( SuperGlue). Specifically designed For General Usage in Bodyshop and mechanical Repair Situations in The automotive industry.

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients :					
Substance Name	EINECS No.	CAS No.	% Conc Range	Hazard Symbols	Risk Phrases
ETHYL 2 CYANOACRYLATE	230-391-5	7085-85-0	70 – 90	Xi	36,37,38

### 3. HAZARD IDENTIFICATION

**Classifications** S May cause sensitisation by inhalation and skin contact

**Risk Phrases** R Risk of accidental skin bonding. Respiratory system Irritation.

**Main Hazard Overview**  
Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

### 4. FIRST AID MEASURES (SYMPTOMS)

**Skin Contact** DANGER. Bonds skin in seconds.

**Eye Contact** DANGER. Bonds the eye and skin surrounding in seconds.

**Ingestion** There may be irritation of the throat.

**Inhalation** There may be irritation of the throat.

#### 4. FIRST AID MEASURES (ACTIONS)

##### **Skin Contact**

Remove contaminated clothing, unless bonded to the skin. Accidentally bonded skin can be peeled apart using gentle pressure and a blunt instrument such as a spoon. DO NOT force. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Separation of skin can be expected within 2 to 4 days. DO NOT use solvents or thinners.

##### **Eye Contact**

Irrigate copiously with clean, fresh water for at least 15 minutes. Accidental bonding should normally disassociate within a few days. Do NOT attempt to pull skin apart. An uncomfortable, irritating, feeling will accompany this accidental bonding, but the bond formed will soon break down .

##### **Ingestion**

If accidentally swallowed, DO NOT induce vomiting. This product will usually solidify upon contact with moisture, which means it is unlikely that it will be ingested. Material stuck around the mouth will release within a few hours.

##### **Inhalation**

Remove casualty from exposure ensuring one's own safety as well. Vapours may give rise to irritation to respiratory system, or eyes. If unconscious and breathing is correct, place in the recovery position. If conscious, ensure the casualty sits or lies down. Give nothing by mouth. Seek medical advice.

#### 5. FIRE-FIGHTING MEASURES

**Extinguishing Media** : Alcohol resistant foam. Dry powder. Use water spray to Cool containers.

**Exposure Hazards** : Under heat may cause thermal decomposition and/or Rupture of the container. Toxic fumes are produced in fire

##### **Protection of Fire-fighters**

Wear self contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

#### 6. ACCIDENTAL RELEASE MEASURES

##### **Personal Precautions**

Wear suitable respiratory protection for large spillages and in confined spaces. Mark out contaminated Areas with signs to prevent access to unauthorised personnel. Turn leaking containers leak side up to prevent escape of liquid. Refer to section 8 of SDS for personal protection details.

##### **Environmental Precautions**

Do not allow large quantities to enter drains or water Courses. Contain spillage with bunding,

##### **Clean-up Procedures**

Absorb into dry earth/sand. Transfer to a closable labelled salvage container for disposal by appropriate method.

#### 7. HANDLING AND STORAGE

##### **Handling requirements**

Ensure adequate ventilation. Avoid skin and eye contact.

##### **Storage Conditions**

Store in tightly closed labelled container. Store in a cool, well ventilated area out of direct sunlight. Refrigerated storage maintains optimum shelf life (2-8 Deg C) Keep from sources of ignition. Store away from strong oxidising agents and strong acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients :

Substance Name	Occupational Exposure Limit				Notation
	15 min WEL		8 hr WEL		
	ppm	Mg/m3	ppm	Mg/m3	
Ethyl 2 Cyanoacrylate	0.3	1.5			

### Engineering Measures

Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

### Respiratory Protection

Self contained breathing apparatus must be available in case of emergency.

### Hand Protection

Protective gloves.

### Eye protection

Eye protection or goggles designed to protect against liquid splashes should be worn.

### Skin Protection

Protective clothing

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Clear liquid in container
Colour	:	Opaque colourless
Odour	:	pronounced smell
Evaporation Rate	:	not established
Solubility in Water	:	Insoluble
Flash Point C	:	85 deg C

## 10. STABILITY AND REACTIVITY

### Stability

Stable under normal conditions.

### Conditions to avoid

High temperatures. Heat sources. Moisture and direct sunlight.

### Materials to avoid

Strong oxidising agents. Water. Alkalis. Amines. Alcohol. Free radical initiators. Will polymerise rapidly in contact with these agents.

### Haz. Decomp. Products

In combustion emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

Toxicity : May cause sensitization by inhalation or skin contact.

## 12. ECOLOGICAL INFORMATION

Aquatic Toxicity Effects	:	insoluble in water
Organic Toxicity Effects	:	low toxicity effects
Persistence/Mobility	:	non biodegradable
Bioaccumulation	:	No bioaccumulation potential

### 13. DISPOSAL INFORMATION

Do not discharge into drains or watercourses. Transfer into suitable container and dispose of in an appropriate manner.

### 14. TRANSPORT INFORMATION

<b>Road/Rail</b>	:	UN	3334	Packing Group	-
		IMDG	-	Packing Group	-
		IATA/ICAO	Class 9		
		ADR/RID	-	Item	-
		Transport Name	Aviation regulated liquid n.o.s (Cyanoacrylate ester)		

### 15. REGULATORY INFORMATION

The product is classified and labelled in accordance with directive 1999/45/EC. The product is classified in accordance with Annex VI to Directive 67/548/EEC.



**Classifications** : Harmful. Bonds skin in seconds.

<b>Risk /</b>	:	H225	Highly flammable liquid and vapour.
<b>Safety Phrases</b>	:	H314	Cause severe skin burns and eye damage.
		H317	May cause an allergic skin reaction.
		H335	May cause respiratory irritation.
		H412	Harmful to aquatic life with long lasting effects.

<b>P Phrases</b>	:	P210	Keep away from heat, hot surfaces, sparks, open flames and Other ignition sources. No Smoking.
		P233	Keep container tightly closed.
		P260	Do not breathe dust/fumes/gas/mist/vapours/spray..
		P264	Wash thoroughly after handling.
		P271	use only outdoors or in well ventilated area.
		P272	Contaminated clothing should not be allowed out of the Workplace.
		P273	Avoid release to the environment.
		P280	Wear protective gloves/ protective clothing/ protective Eyewear/ Face protection.
		P303,361,353.	IF ON SKIN remove immediately all contaminated clothing And rinse skin with water.
		P305,351,388	IF IN EYES rinse cautiously with Water for several minutes. Remove contact lenses, if present and safe to do so. Continue Rinsing.

## 16. ADDITIONAL INFORMATION

### **Risk Phrases Listed in Section 2**

R36/37/38 Irritating to eyes, respiratory system and skin

This safety data sheet is compiled with references to The Chemicals (hazard Information and Packaging for Supply) Regulations 2002 (CHIP3) which implement the Council Directives 67/548/EC (The Dangerous substance directive) and 99/45 (The Dangerous preparation directive), and subsequent regulations up to and including 2001/59/EC, which implements the 28<sup>th</sup> ATP of 67/548/EEC and 2001/60/EC, which implements the 1<sup>st</sup> ATP of 99/45/EC; and also the Safety Data sheets Directive 91/155/EC, as amended for the 2<sup>nd</sup> time by 2001/58/EC

### **Legal Disclaimer**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage from handling or from contact with the above product.