

# S T A R O N

## MATERIALS SAFETY DATA SHEET

Revised 24.12.2009

### 1. Identification of the substance/preparation and of the company/undertaking

**Product name :** STARON JOINT ADHESIVE COMPONENT B

**Company :** CHEIL INDUSTRIES INC.

**Emergency Telephone NO. :** 82-61-689-1526

**Address :** Yeosu Plant, Chemicals Division, CHEIL INDUSTRIES INC.  
62, Pyong Yo-Dong, Yeosu-Shi, Cheon Nam, Korea

### 2. Composition/information on ingredients

Benzoyl Peroxide	3~7%	CAS Number : 94-36-0
Material (This information should be kept secret for sales)	93~97%	CAS Number

### 3. Hazards identification

#### Main Hazards

Harmful if swallowed.

Risks of serious damage to eyes.

#### Health Effects-Eyes

Liquid or mist will cause severe conjunctival irritation and corneal damage.

#### Health Effects-Skin

Material may cause irritation. Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.

#### Health Effects-Ingestion

Swallowing may have the following effects : irritation of mouth, throat and digestive tract. nausea. difficulty with breathing. lung damage.

#### Health Effects-Inhalation

Low volatility makes acute effects unlikely at ambient temperatures.

#### **4. First Aid Measures**

##### **Inhalation**

Remove from exposure. Keep warm and at rest. If there is difficulty in breathing, give oxygen. If breathing stops or shows signs of failing, give artificial respiration. Obtain medical attention.

##### **Eye contact**

Immediately flood the eye with plenty of water for at least 15 minutes holding the eye open. Obtain medical attention urgently.

##### **Skin contact**

Wash skin thoroughly with soap and water. Contaminated clothing should be washed or dry-cleaned before reuse.

##### **Ingestion**

Wash out mouth with water(Never administer anything by mouth if a casualty is losing consciousness, is unconscious or is convulsing). Do not induce vomiting.

Keep warm and at rest. If there is difficulty in breathing, give oxygen. If breathing stops or shows signs of failing, give artificial respiration. Do not use mouth to mouth ventilation. Obtain medical attention urgently.

#### **5. Fire Fighting Measures**

##### **Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Keep containers and surroundings cool with water spray.

##### **Unsuitable Media**

Do not use water jet.

##### **Special Hazards**

This product may give rise to hazardous fumes in a fire.

##### **Protective Equipment**

Water self contained breathing apparatus.

#### **6. Accidental Release Measures**

##### **Personal Precautions**

Wear appropriate protective clothing. Wear respiratory protection.

##### **Environmental Precautions**

Try to prevent the material from entering drains or water courses. Advise authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.

**Spillages**

Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery of disposal.

**7. Handling and Storage****Handling**

Keep container tightly closed when not in use. Use in well ventilated area. Avoid contact with eyes, skin and clothing. Emergency shower and eye wash facilities should be readily available.

**Storage**

Storage area should be : cool, dry, well ventilated.

**8. Exposure Controls/Personal Protection****Occupational Exposure**

Material may cause irritation to mucous membranes, skin burns, eye corrosion and permanent injury. (TVL : 100 ppm)

**Engineering Control**

Engineering methods to prevent or personnel enclosure are preferred.

**Measures**

Methods include process or personnel enclosure, mechanical ventilation(dilution and local exhaust), and control of process conditions. If engineering controls and work practices are not effective in preventing or controlling exposure, then suitable personal protective equipment, which is known to perform satisfactorily, should be used.

**Respiratory Protection**

Respiratory protection if there is risk of breathing mists or vapors from heated material.

**Hand Protection**

Rubber or polyethylene gloves.

**Eye Protection**

Chemical goggles must be worn during all handling operations.

**Body Protection**

If there is danger of splashing, wear impermeable suit.

**Ventilation**

During application, adequate ventilation must be provided.

## 9. Physical and Chemical Properties

**Physical State :** Viscous liquid

**Color :** Transparent

**Odor :** Mild

**Flash Point(TOC) :** 100°C

**Ignition Temperature :** No data available.

**Explosion Limits :** No data available.

**Solubility in water :** insoluble

**Specific gravity :** 1.1

## 10. Stability and Reactivity

### Stability

Stable under normal condition

### Condition to avoid

Heat, spark, flames and other sources of ignition.

### Materials to avoid

Amine, Strong acid.

### Hazardous Decomposition

Combustion will generate : oxides of carbon. smoke.

## 11. Toxicological Information

### Acute Toxicity

Harmful by ingestion.

### Carcinogenicity

NTP : None assigned

JARC : None assigned

OSHA : None assigned

### Contact Hazard

Moderate

## 12. Ecological Information

### Mobility

The product will not dissolve in water.

### Persistence/Degradability

The product is expected to be partially or slowly biodegradable.

### Bio-accumulation

The product is not expected to bioaccumulate.

### Ecotoxicity

No data

## 13. Disposal Considerations

### Product Disposal

Dispose of in accordance with all applicable local and national regulations. Incineration is the recommended method of disposal.

### Container Disposal

Empty containers may contain hazardous residues.

Labels should not be removed from containers until they have been cleaned. Contaminated containers must not be treated as household waste. Containers should be disposed of by landfill or incineration as appropriate.

## 14. Transport Information

**This information relates to the kit as a whole ( Component A, Component B )**

### ADR/RID-Class

UN-no 1133      Class 3      Item 5(C)

Proper shipping name : Adhesives

Term-Card R-30G80      ADR/RID Labels : 3

### ICAO-Class

UN-no 1133      Class 3      Subrisks

Proper shipping name : Adhesives

Packing Group III      ICAO Labels : Flammable liquid

## 15. Regulatory Information

### Labelling Information

Warning : Flammable , Irritant

Contents : Benzoyl Peroxide.

Common name : STARON ADHESIVE COMPONENT B

### Caution

Always wear safety goggles and protective glooves.

Keep away from children.

STARON ADHESIVE should be stored in a cool and dark area.

Avoid breathing vapor and use only with adequate ventilation.

Keep away from heat, spark, open flame and other combustible materials.

Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

## 16. Other Information

### Additional Information

Do not use in medical applications involving permanent implantation in the human body.

We hereby certify that the above statements are true and correct in every respect. If the statements are not true, all responsibility will belong to **CHEIL**.

Signature/Issued Date :

**S T A R O N**  
**CHEIL INDUSTRIES INC.**