

## SAFETY DATA SHEET

**1. Identification of the substance or mixture and of the supplier***1.1 Product Name:***CERARESIN BOND BOND II***1.2 Company /Undertaking identification*Manufacturer's Name: **SHOFU INC.**

Address: 11 Kamitakamatsu-cho, Fukuine, Higashiyama-ku, Kyoto 605-0983 ,JAPAN

Phone: +81-75-561-1112

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Section in Charge: Quality Assurance Section

Date Prepared: 2014.9.22

*1.3 Emergency Telephone Number*

+81-75-561-1112

**2. Hazards identification**

## GHS CLASSIFICATION

PHYSICAL HAZARDS	FLAMMABLE LIQUIDS	Category 2
HEALTH HAZARDS	ACUTE TOXICITY-ORAL	Not Classified
	SKIN CORROSION/IRRITATION	Not Classified
	EYE DAMAGE/IRRITATION	Category 2A
	TOXIC TO REPRODUCTION	Category 2
	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)	Category 3(narcotic effects,respiratory tract irritation)
	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)	Category 2 (blood)
ENVIRONMENTAL HAZARD	HAZARDOUS TO THE AQUATIC ENVIRONMENT-ACUTE HAZARD	Not Classified
	HAZARDOUS TO THE AQUATIC ENVIRONMENT-CHRONIC HAZARD	Not Classified

The thing without mention is out of a classification object. Or cannot classify it.

## LABEL ELEMENTS

## SYMBOL



## SIGNAL WORD

Danger

## HAZARD STATEMENTS

Highly flammable liquid and vapor  
 Causes serious eye irritation  
 May cause respiratory irritation  
 May cause drowsiness and dizziness  
 Suspected of damaging fertility or the unborn child  
 Warning May cause damage to organs through prolonged or repeated exposure(blood)

## PRECAUTIONARY STATEMENTS

# SAFETY DATA SHEET

## [Prevention]

Obtain special instruction before use.  
 Do not handle until all safety precautions have been read and understood.  
 Wear protective gloves and eye/face protection.  
 Do not breathe dust/vapours.  
 Do not eat, drink or smoke when using this product.  
 Keep away from ignition sources such as heat/sparks/open flames—No smoking.  
 Use only outdoors or in a well-ventilated area.  
 Keep container tightly closed.  
 Wash hands thoroughly after handling.

## [Response]

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 Get medical advice/attention if you feel unwell.  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water /shower.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.

## [Storage]

Store in a cool and dark area.

## [Disposal]

Dispose of contents and container in accordance with regulation.

### 3. Composition/information on ingredients

<i>Composition</i>		<i>Hazard type</i>
Acetone [Cas No.67-64-1]	≐ 60 %	F .Xi
4-AET [Cas No.88066-33-5]		
UDMA [Cas No.72869-86-4]		
Others		

### 4. First-aid measures

- 4.1 Eye contact :** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.
- 4.2 Skin contact :** Wash immediately with soap and plenty of water. If on skin, skin irritation, get medical advice/attention.
- 4.3 Ingestion :** Rinse mouth. Get medical advice/attention.
- 4.4 Inhalation :** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptom concerning breath goes out, call a POISON CENTER to doctor.

### 5. Fire-fighting measures

- 5.1 Suitable Extinguishing Media:** CO<sub>2</sub>, Dry chemical, Alcohol-resistant foam
- 5.2 Extinguishing Media Should not be used :** N/A
- 5.3 Special Exposure Hazards Arising:** In case of fire, irritation gasses and fumes may emit.
- 5.4 Special Protective Equipment:** Wear fire protective cloth and self contained breathing apparatus if necessary.

# SAFETY DATA SHEET

## 6. Accidental release measures

- 6.1 Personal Precautions:* Avoid eye contact. See section 8.
- 6.2 Environmental Precautions:* Send to approved treatment/disposal company or dispose according to local, state and federal regulations.
- 6.3 Methods for Cleaning Up:* Wipe up and discard in a suitable container.

## 7. Handling and storage

- 7.1 Handling:* Handle in a well ventilated place. Wear protective gloves, safety spectacles or face shield. (If necessary wear self-contained breathing apparatus.)  
Keep away from naked flames, sparks and sources of heat. No smoking.
- 7.2 Storage:* Store in a cool and dark fire proof area with container tightly closed.  
Separated from strong oxidants. (Keep refrigerated when not in use.)

## 8. Exposure controls/personal protection

- 8.1 Exposure limits:* ACGIH TLV.  
Aceton [Cas No.67-64-1] 500ppm(TWA);750ppm(STEL)A4
- 8.2 Respiratory Protection:* Use local exhaust and protective gas mask for organic gas, if necessary.
- 8.3 Hand Protection:* Protective gloves (Latex, rubber or plastics gloves)
- 8.4 Eye Protection:* Safety goggles (May be required)
- 8.4 Skin Protection:* Not required (General working clothes.)

## 9. Physical and chemical properties

- 9.1 Appearance/Odour/pH* Colorless liquid with sweet odor
- 9.2 Boiling Point/Boiling Range:*  $\approx 56^{\circ}\text{C}$
- 9.3 Melting Point/Melting Range:* N/D
- 9.4 Flash point:*  $-15.0^{\circ}\text{C}$  (closed)
- 9.5 Autoflammability:* N/D
- 9.6 Explosive Properties:* Explosive limits (2.2~13 vol% in air) [as Acetone]
- 9.7 Oxidizing Properties:* N/D
- 9.8 Vapour Pressure:* N/D
- 9.9 Relative Density:* 0.83 (water=1)
- 9.10 Solubility: water solubility* Soluble in all purport

## 10. Stability and reactivity

- 10.1 Stability:* Stable under recommended storage conditions.
- 10.2 Reactivity:* Polymerization will occur with heat, light.
- 10.3 Condition to avoid:* Avoid excess heat, flame and other source of ignition.  
Separated from strong oxidants.
- 10.4 Materials to avoid:* Strong oxidizing materials.

## 11. Toxicological information

Acetone ;

Acute toxicity : Emergency response guidebook

Vapors may cause dizziness or suffocation.

(Inhalation)	mouse	LCL0	110 g/m <sup>3</sup> /1H
	tat	LCL0	16000 ppm/4H
	human	TCL0	500 ppm

# SAFETY DATA SHEET

(Oral)	mouse	LD50	3000 mg/kg
	rat	LD50	5800 mg/kg
(Dermal)	rabbit	LD50	20 g/kg

## Irritant properties :

Inhalation or contact with material may irritate or burn skin and eyes.

Irritant properties to skin/eye.

(Skin)	rabbit	3950 $\mu$ g ; SEVERE
	rabbit	100 mg/24H ; MODERATE
(Eye)	rabbit	395 mg open ; MILD
	rabbit	500 mg/24H ; MILD

Allergenic and sensitizing effects ; N/A

Chronic toxicity ;

Toxic : danger of serious damage to health by prolonged exposure through inhalation.

Carcinogenic effects ;

ACGIH-A4 : Not Classifiable as a Human Carcinogen.

Mutagenic effects ; N/A

Teratogenic effects ; N/A

Toxicity for reproduction ; N/A

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## 12. Ecological information

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The product should not be allowed to drain into sewers.

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## 13. Disposal considerations

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Dispose of contents/container to in accordance with local/regional/national/international regulations.

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## 14. Transport information

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UN Hazard Class:3/UN Packing Group: II

UN NO.1090 (as Aceton)

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## 15. Regulatory information

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Follow all regulations in your country.

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## 16. Other information

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This product is intended for use by dental professionals. (instrument/material)