

# SAFETY DATA SHEET

Date Prepared : 11/26/2013  
SDS No : 0011-26-2013 (JPN)  
Date-Revised : 07/23/2015  
Revision No : 2

## AISIN AB1281B FIPG (RED)

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** AISIN AB1281B FIPG (RED)  
**PRODUCT DESCRIPTION:** Adhesive and sealant  
**PRODUCT CODE:** AB1281B

#### DISTRIBUTOR

AISIN WORLD CORP. OF AMERICA  
24330 Garnier Street  
Torrance, CA 90505  
**Emergency Phone:** (513) 779-7300

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (Domestic North America):**(800) 424 - 9300  
**CHEMTREC (International):**(703) 527 - 3887

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Skin Sensitization, Category 1B  
Eye damage/Eye irritation, Category 1  
Specific target organ toxicity after repeated exposure: (Hematopoietic System), Category 2

##### Environmental:

Acute Hazards to the Aquatic Environment, Category 1  
Chronic Hazards to the Aquatic Environment, Category 1

#### GHS LABEL



Exclamation  
mark



Corrosion



Health  
hazard



Environment

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

H317: May cause an allergic skin reaction.  
H410: Very toxic to aquatic life with long lasting effects.  
H373: May cause damage to organs ( state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).  
H318: Causes serious eye damage.

#### Precautionary statement(s)

##### Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P273: Avoid release to the environment.

**Response:**

P302+P352: IF ON SKIN: Wash with plenty of water

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P321: Specific treatment (see Response on this label).

P362+P364: Take off contaminated clothing and wash it before reuse.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/Doctor/Medical Professional

P314: Get medical advice/attention if you feel unwell.

P391: Collect spillage.

**Disposal:**

P501: Dispose of contents/container to appropriate facility according to local regulations

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Red brown paste

**IMMEDIATE CONCERNS:** Causes irritation or damage to eyes

**POTENTIAL HEALTH EFFECTS**

**EYES:** Direct contact may cause slight irritation with redness and swelling.

**SKIN:** Repeated or prolonged contact with skin may cause slight irritation leading to dermatitis. Product contains oximes which are possible skin sensitizers.

**SKIN ABSORPTION:** Remove product from skin.

**INGESTION:** Small amounts should not cause injury. Swallowing large amounts may cause slight injury.

**CARCINOGENICITY:** Suspected of causing cancer. [MEKO]. The following material (Crystalline silica, Titanium dioxide) is **embedded (bound)** in the product and not available as respiratory dusts. When used as intended or as supplied, the product will not pose hazards.

**ROUTES OF ENTRY:** Eyes, skin, inhalation, ingestion or absorption

**SENSITIZATION:** Sensitization possible through skin contact.

**HEALTH HAZARDS:** Coughing. Dermatitis. Rash. Upper respiratory tract irritation. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause an allergic skin reaction.

**COMMENTS:** Methyl ethyl ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver cancer. But relevance to humans is uncertain now.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt. %	CAS
Silicone resin	50 - 60	
Zinc oxide	25 - 35	1314-13-2
Silica	5 - 15	
Toluene	2	108-88-3
Tin and its compounds	< 1	
Iron oxide	< 5	1309-37-1

**COMMENTS:** Methyl ethyl ketoxime (MEKO #96-29-7): cracked gas

**4. FIRST AID MEASURES**

**EYES:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

**SKIN:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms (skin irritation or rash) occur. Get medical attention. Wash clothing before reuse.

**INGESTION:** Rinse mouth well with water. Never give an unconscious person anything to ingest. Do not induce vomiting unless directed to do so by medical personnel. Seek immediate medical attention.

**INHALATION:** In case of poisoning, remove victim to fresh air, calm down, keep warm then get medical advice, attention

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**ACUTE TOXICITY:** No data as a product

**CHRONIC EFFECTS:** No data as a product

**5. FIRE FIGHTING MEASURES**

**GENERAL HAZARD:** May produce poisonous and irritated gasses upon fire.

**EXTINGUISHING MEDIA:** Dry powder, alcohol-resistant foam and carbon dioxide extinguisher, dry sand, and water spray.

**FIRE FIGHTING PROCEDURES:** Workers should wear appropriate protection (glasses, clothes, mask for poisonous gasses, etc.), then extinguishing should be performed up wind.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Then extinguish should be performed up wind.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb with dry sand, soil, sawdust, cloth, etc., then place in a sealable container.

**LARGE SPILL:** Dike and prevent overflow. Guide to a safe place then dispose properly.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Do not allow product to flow into rivers or affect the environment

**GENERAL PROCEDURES:** All ignition sources should be quickly removed (No smoking in the vicinity, prohibit sparks or fire sources)

**RELEASE NOTES:** Keep spilled material from entering storm drains, sewers, or other environmental mediums.

**SPECIAL PROTECTIVE EQUIPMENT:** Wear appropriate personal protection equipment to avoid contact to eyes, skin, and inhalation.

**COMMENTS:** Disposal of clean-up materials may be governmentally regulated. Observe all applicable local, state, and federal waste management regulations.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Take precaution against fire.

**HANDLING:** Fire strictly prohibited. Wear appropriate personal protection equipment. Wash thoroughly after handling.

**STORAGE:** Protect from direct sunlight. Store the product at moderate temperature. Store in original container at room temperature.

**STORAGE TEMPERATURE:** 10°C (50°F) Minimum to 25°C (77°F) Maximum

**COMMENTS:** Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full. Do not mix this product with other cleaning agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
Chemical Name		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Zinc oxide	TWA		15 mg/m <sup>3</sup>		10 mg/m <sup>3</sup> (total dust)
Toluene	TWA	100 ppm		50 ppm	
	STEL	150 ppm	375 mg/m <sup>3</sup>		

**ENGINEERING CONTROLS:** Adequate ventilation may be necessary to control any air contaminants to within the TLV control parameters during the use of this product.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses with side shields.

**SKIN:** Gloves (impervious).

**RESPIRATORY:** In case of insufficient ventilation, wear NIOSH approved respiratory equipment when exposure limits are exceeded.

**PROTECTIVE CLOTHING:** Wear solvent resistant or other impervious gloves

**WORK HYGIENIC PRACTICES:** Wash hands before eating, smoking, or using restroom. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

**OTHER USE PRECAUTIONS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Paste

**ODOR:** Oxime

**APPEARANCE:** Paste

**COLOR:** Reddish brown

**FLASHPOINT AND METHOD:** > 40°C Closed Cup

**Notes:** Does not sustain combustion.

**SOLUBILITY IN WATER:** Slightly soluble in water

**SPECIFIC GRAVITY:** 1.45

**VISCOSITY #1:** 104 Pa·s at 23°C

**(VOC):** > 2.500 % EPA Method 24, Weight Loss Determination

**10. STABILITY AND REACTIVITY**

**STABILITY:** Stable under normal handling

**CONDITIONS TO AVOID:** Intensive heating

**POSSIBILITY OF HAZARDOUS REACTIONS:** Reacts to air moisture, slowly generating methyl ethyl ketoxime.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Reacts upon contact with heat and metal

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents

**11. TOXICOLOGICAL INFORMATION**

**ACUTE**

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Toluene	5580 rat (mg/kg)	12198 Rabbit/mg/kg	12500 to 28800 mg/m <sup>3</sup> (rat)

**NOTES:** Rat, inhalation, TC50: >4 ml/l (MEKO, decomposed product)

**SKIN EFFECTS:** No data as a product

**CHRONIC:** No data as a product

**CARCINOGENICITY**

Chemical Name	IARC Status	Other
Iron oxide	3	ACGIH: A4

**12. ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION:** No data as a product

**Notes:** No data as a product

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your licensed waste contractor for detailed recommendations.

**FOR LARGE SPILLS:** Take precaution to prevent product to flow into rivers and effect environment.

**PRODUCT DISPOSAL:** To dispose of this product, solicit waste disposal management experts. **DO NOT** dispose the waste liquid containing the product into a river.

**14. TRANSPORT INFORMATION**

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not restricted by DOT

**AIR (ICAO/IATA)**

**SHIPPING NAME:** Environmentally hazardous substances, solid, n.o.s...

**UN/NA NUMBER:** UN3077

**PRIMARY HAZARD CLASS/DIVISION:** 9

**PACKING GROUP:** III

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Environmentally hazardous substances, solid, n.o.s...

**UN/NA NUMBER:** UN3077

**PRIMARY HAZARD CLASS/DIVISION:** 9

**PACKING GROUP:** III

**MARINE POLLUTANT #1:** P

**15. REGULATORY INFORMATION****UNITED STATES****CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

Chemical Name	Wt. %
Toluene	2

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**TSCA STATUS:** All ingredients are in compliance with the TSCA

**STATES WITH SPECIAL REQUIREMENTS**

Chemical Name	Requirements
Zinc oxide	This product contains a component or components listed on the Massachusetts Right to Know list of hazardous substances. This product contains a component or components listed on the Pennsylvania Right to Know list of hazardous substances.
Toluene	This product contains a component or components listed on the Massachusetts Right to Know list of hazardous substances. This product contains a component or components listed on the Michigan Critical Materials list. This product contains a component or components listed on the New Jersey Right to Know list of hazardous chemicals. This product contains a component or components listed on the Pennsylvania Right to Know list of hazardous substances.
Iron oxide	This product contains a component or components listed on the Massachusetts Right to Know list of hazardous substances. This product contains a component or components listed on the Pennsylvania Right to Know list of hazardous substances.

**CALIFORNIA PROPOSITION 65: WARNING:** This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. Silica (bound), Toluene

Chemical Name	Wt. %	Listed
Toluene	2	• Developmental Toxicity



**16. OTHER INFORMATION**

**Date-Revised:** 07/23/2015

**REVISION SUMMARY:** This MSDS replaces the 04/21/2015 MSDS. Revised: **Section 2: CARCINOGENICITY, COMMENTS, EMERGENCY OVERVIEW - IMMEDIATE CONCERNS HEALTH HAZARDS, POTENTIAL HEALTH EFFECTS ( SKIN, SKIN ABSORPTION, INHALATION, INGESTION ), ROUTES OF ENTRY, SENSITIZATION. Section 16: NFPA CODES - SPECIAL.**

**HMIS RATING**

<b>HEALTH</b>	*	<b>3</b>
<b>FLAMMABILITY</b>		<b>1</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>		<b>C</b>

**NFPA CODES**



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