

MATERIAL SAFETY DATA SHEET

ThreeBond

Date Issued: 03/31/2010

MSDS No: 1213-08-01 Aisin

Date-Revised: 03/31/2010

Revision No: 1

Aisin AB1207B

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Aisin AB1207B**PRODUCT DESCRIPTION:** One component silicone rubber compound.**MANUFACTURER**

Three Bond International, Inc.

6184 Schumacher Park Drive

West Chester, OH 45069

Product Stewardship: (513) 779-7300**24 HR. EMERGENCY TELEPHONE NUMBERS****CHEMTREC (Domestic North America) :**(800) 424 - 9300**CHEMTREC (International) :**(703) 527 - 3887

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW**IMMEDIATE CONCERNS:** Product generates acetone, a flammable vapor, upon contact with water or humid air. Irritating to eyes, respiratory system and skin. Vapor harmful. Possible cancer hazard.**POTENTIAL HEALTH EFFECTS****EYES:** Direct eye contact and vapors may cause eye irritation.**SKIN:** Direct contact with uncured product or its vapor may cause slight irritation to skin.**INGESTION:** May be harmful if swallowed. Ingestion is an unlikely route of entry in industrial uses.**INHALATION:** Overexposure to vapors may cause irritation of the eyes, nose, and throat, headaches and dizziness.**SIGNS AND SYMPTOMS OF OVEREXPOSURE****SKIN:** Prolonged or repeated contact may lead to dermatitis.**ACUTE TOXICITY:** Overexposure to **Acetone**, a curing by-product, can cause drowsiness, blood and liver injury, and may irritate the eyes, nose, and throat.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Carbon Black	5 - 15	1333-86-4
Silane, ethenyltris[(1-methylethenyl)oxy]-	1 - 10	15332-99-7
Alkenoxysilane	< 2	-----
N,N,N',N'-Tetramethyl-N''-(3-(trimethoxysilyl)propyl)guanidine	< 1	69709-01-9

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention, if irritation persists.**SKIN:** Immediately remove product from skin with dry cloth or towel. Wash skin with soap and plenty of water.

Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

INGESTION: Do not induce vomiting unless directed to do so by medical personnel. Never give an unconscious person anything to ingest. Get medical attention immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. If signs or symptoms persist, seek medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 14°C (57°F) Closed Cup

Notes: This product will catch fire by little evolved vapor (acetone) when the container is opened and an ignition source is brought close. But it does not continue burning and contribute to a fire. Furthermore, this product is classified as a solid according to ASTM method D-4359-84.

EXTINGUISHING MEDIA: Use dry chemical powder, carbon dioxide, water fog, or foam.

HAZARDOUS COMBUSTION PRODUCTS: Carbon oxides. Traces of incompletely burned carbon compounds. Silicon dioxide. Nitrogen oxides. Formaldehyde. Metal oxides.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Product generates acetone, a flammable vapor, upon contact with water or humid air.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Eliminate all ignition sources. Absorb with an inert material and place in an appropriate waste disposal container.

LARGE SPILL: Extinguish all sources of ignition. Stop spill or leak at source. Dike if necessary. Absorb with an inert material and place in an appropriate waste disposal container.

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

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

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, skin, and clothing. Do not breathe vapor. Use with adequate ventilation. Wash hands thoroughly with soap and water after handling.

STORAGE: Keep container closed when not in use. Store in a dry, cool, well-ventilated area. Store away from heat, sources of ignition, water, or moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Carbon Black	TWA	NL	3.5	NL	3.5

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses.

SKIN: Gloves (impervious).

RESPIRATORY: In case of insufficient ventilation, wear suitable respiratory equipment.

PROTECTIVE CLOTHING: Chemically impervious clothing should be worn if potential for skin contact.

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.

COMMENTS: Product generates acetone upon contact with water or humid air.

Acetone exposure limits: ACGIH TLV, TWA: 500 ppm, STEL: 750 ppm

OSHA PEL: 1000 ppm, 2400 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Paste (solid)

ODOR: Acetone.

COLOR: Black.

VAPOR PRESSURE: Negligible

VAPOR DENSITY: > 1

FLASHPOINT AND METHOD: 14°C (57°F) Closed Cup

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DENSITY: 8.51 lb/gal

SPECIFIC GRAVITY: 1.010

10. STABILITY AND REACTIVITY

STABILITY: Stable at room temperature in closed containers under normal storage and handling conditions.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Contact with water, moisture, or humid air causes curing and acetone vapors form gradually.

HAZARDOUS DECOMPOSITION PRODUCTS: Acetone.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)
Carbon Black	> 8000 mg/kg	
Alkenoxysilane	1780 gm/kg	4 ml/kg

CARCINOGENICITY

Chemical Name	IARC Status	Other
Carbon Black	2B	ACGIH: A4

REPEATED DOSE EFFECTS: Acetone- Overexposure to this material has been suggested to cause mild, reversible liver effects, mild, reversible kidney effects, blood abnormalities, and harm to the fetus in laboratory animals.

TARGET ORGANS: Carbon black- Target organs: Lungs. Effects include inflammation, fibrosis, tumors. Chronic toxicity found in rats. Tumors in the rat lung are related to the fine particle overload phenomenon rather than to a specific chemical effect of the dust particles in the lung. These effects in rats have been reported in studies on other inorganic insoluble particles and appear to be species specific. Tumors have not been observed in other species for carbon black under similar circumstances and study conditions. Exposure to airborne carbon black dust is unlikely due to product matrix.

12. ECOLOGICAL INFORMATION

COMMENTS: Not Available

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.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

SPECIAL SHIPPING NOTES: Not a DOT controlled material (United States).

AIR (ICAO/IATA): Not an IATA controlled material.

VESSEL (IMO/IMDG): Not an IMDG controlled material.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: No EHS substances were found.

FIRE: Yes **REACTIVITY:** Yes **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: No products were found above de minimis levels.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Carbon Black	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

Chemical Name	Wt. %	Listed
Carbon Black	5 - 15	Cancer

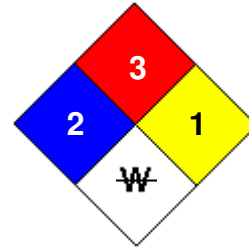
16. OTHER INFORMATION

REVISION SUMMARY: Revision #: 1. This MSDS replaces the March 31, 2010 MSDS. , NFPA Flammability

HMIS RATING

HEALTH:	*	2
FLAMMABILITY:		3
PHYSICAL HAZARD:		1
PERSONAL PROTECTION:		

NFPA CODES



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