SAFETY DATA SHEET

Date Issued : 12/11/2013
SDS No : 0011-12-2013
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Revision No : 2

Hondabond HT 08718-0004

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Hondabond HT 08718-0004
GENERAL USE: HONDA Only
PRODUCT DESCRIPTION: One component silicone rubber compound
PRODUCT CODE: 08718-0004 (1216EH004-US)

DISTRIBUTOR
ThreeBond International, Inc.
6184 Schumacher Park Drive
West Chester, OH 45069
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:

Eye irritation, Category 2A
Skin irritation, Category 2

Physical:

Combustible liquid, Category 4

GHS LABEL

Exclamation mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H316: Causes mild skin irritation
H320: Causes eye irritation
H227: Combustible liquid

Precautionary statement(s)

Prevention:

P270: Do not eat, drink, or smoke when using this product
P233: Keep container tightly closed
P102: Keep out of reach of children
P273: Avoid release to the environment
P285: In case of inadequate ventilation wear respiratory protection.
P280: Wear protective gloves/protective clothing/eye protection/face protection

P210: Keep away from heat/sparks/open flames/hot surfaces; No smoking

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Gray paste

IMMEDIATE CONCERNS: May cause irritation to the eyes, skin, and respiratory tract.

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: No information available

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

INHALATION: Overexposure to the vapor of the curing by-product, MEKO, can cause drowsiness, and may irritate nose and throat.

CARCINOGENICITY: IARC, NTP, and OSHA do not list ThreeBond IO - SEAL - 400F as a carcinogen

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. Additional testing is being planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable. Also, this product contains crystalline silica, fumed silica, titanium dioxide, calcium carbonate, and carbon black, which are considered a hazard by inhalation with dust. Crystalline silica is classified as an agent which is a probable carcinogen in humans. But, this product does not fall under the dust inhalation hazard or the carcinogen classification since it does not generate dust under normal handling conditions.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Crystalline slica	10 - 20	14808-60-7
2-Butanone, O, O', O"-(ethenylsilylidyne) trioxime	1 - 10	2224-33-1
Amorphous Fumed Silica	5 - 15	68611-44-9

COMMENTS: Methyl ethyl ketoxime (Cas#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: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY: No data as a product

CHRONIC EFFECTS: Oximes may cause skin sensitization. Overexposure to vapors may cause drowsiness, blood and liver injury, and may irritate eyes, nose, and throat.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Class IIIA (Per OSHA 29 CFR 1910.106)

EXTINGUISHING MEDIA: Carbon dioxide, water, water fog (or spray), dry chemical, and foam.

HAZARDOUS COMBUSTION PRODUCTS: Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Metal oxides. Silicone dioxides. Formaldehyde.

EXPLOSION HAZARDS: None

FIRE FIGHTING PROCEDURES: Do not release runoff from fire control methods to sewers or waterways

FIRE FIGHTING EQUIPMENT: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

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: Extinguish all sources of ignition

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: Store in a cool, dry location with adequate ventilation. Keep tightly closed away from open flames and heat sources. Consult the product Technical Bulletin for detailed storage information.

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)			
		EXPOSURE LIMITS	
		OSHA PEL	
Chemical Name		**ppm**	**mg/m³**
2-Butanone, O, O', O"-(ethenylsilylidyne) trioxime	**TWA**	[1]	[1]
OSHA TABLE COMMENTS: **1**. See: Methyl Ethyl Ketoxime (MEKO) data.			

ENGINEERING CONTROLS: Provide general or local ventilation systems to maintain airborne concentrations below

OSHA PELs. Local ventilation is preferred because contaminant dispersion into the work area by controlling it at its source.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses. Wear splash goggles if the potential for splashing or spraying exists.

SKIN: Gloves (impervious).

RESPIRATORY: Seek professional advice prior to respiration selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if neccessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on it's suitability to provide adequate worker protection for given conditions, level of airborne contamination, and presence of sufficient oxygen. for emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic enviromental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

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.

COMMENTS: Product generates methyl ethyl ketoxime (MEKO) upon contact with water or humid air.
MEKO exposure limits: TWA, 3 ppm from Vendor Guide (United States)
AIHA TWA, 10 ppm, STEL, 10 ppm (Workplace Environmental Exposure Level, United States)

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: Some odor (Oxime)

ODOR THRESHOLD: Not yet Determined

APPEARANCE: Paste

COLOR: Gray

pH: Not Applicable

FLASHPOINT AND METHOD: 66°C TAG CC

AUTOIGNITION TEMPERATURE: Not yet Determined

VAPOR PRESSURE: Negligible (25° C)

VAPOR DENSITY: > 1 (Air = 1)

BOILING POINT: Not Applicable

FREEZING POINT: Not Determined

MELTING POINT: Not Determined

SOLUBILITY IN WATER: None

EVAPORATION RATE: < 1 (butyl acetate=1)

DENSITY: 12.01 lbs/gal

SPECIFIC GRAVITY: 1.44 (Water = 1) at 4.0°C

(VOC): 3.800 %

10. STABILITY AND REACTIVITY

STABLE: Yes

POLYMERIZATION: Hazardous polymerization cannot occur.

CONDITIONS TO AVOID: None

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

HAZARDOUS DECOMPOSITION PRODUCTS: When contacted with water, moisture, or humid air-hazardous vapours form as described

INCOMPATIBLE MATERIALS: Exposure to moisture causes curing and the gradual formation of methylethylketoxime (Flammable Liquid) vapors.

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD_{50}: 4 ml/kg (rat) (MEKO Decomposition product)

INHALATION LC_{50}: > 4.8 mg/l (rat)(MEKO decomposition product)

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

EYE EFFECTS: No information available

SKIN EFFECTS: No information available

CARCINOGENICITY

IARC: Not Listed

NTP: Not Listed

OSHA: Not Listed

Notes: Does not contain any chemicals that are determined to be cancerous by IARC, NTP, or OSHA.

TERATOGENIC EFFECTS: None known.

MUTAGENICITY: None known.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No information available

ECOTOXICOLOGICAL INFORMATION: No information available

BIOACCUMULATION/ACCUMULATION: No information 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.

EMPTY CONTAINER: All containers should be thoroughly emptied before disposal.

RCRA/EPA WASTE INFORMATION: TB1216E , is non hazardous per EPA

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not restricted by DOT

PRIMARY HAZARD CLASS/DIVISION: Non-Hazardous

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: None

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

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: Not Listed

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)

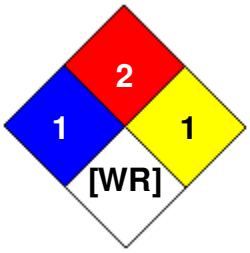
16. OTHER INFORMATION

REVISION SUMMARY: This MSDS replaces the 3/31/2014 MSDS. Revised: **Section 3:** Wt.%. **Section 8:** PERSONAL PROTECTIVE EQUIPMENT - PROTECTIVE CLOTHING.

HMIS RATING

HEALTH	*	1
FLAMMABILITY		2
PHYSICAL HAZARD		1
PERSONAL PROTECTION		B

NFPA CODES



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