

## MATERIAL SAFETY DATA SHEET

### SECTION 1           CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME OR NUMBER: CARBON FILLED REPAIR COMPOUND - PART B**

HITCO P/N:                 HS\_Repair\_Kits (Part B)  
HITCO Product Spec:     MDS3001A  
WS:                         WS16601C / WS25844B  
NSN:                        8040015585549

MANUFACTURER: HITCO Carbon Composites, Inc.  
ADDRESS: 1600 W. 135th Street, Gardena, CA 90249  
GENERAL ASSISTANCE: (310) 527-0700  
24-HOUR EMERGENCY ASSISTANCE: CHEMTREC Assist: (800) 424-9300

DATE OF PREPARATION OR LAST CHANGE: January 29, 2009

### SECTION 2           COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL/ COMMON NAME</u>	<u>C.A.S. NUMBER</u>	<u>% BY WEIGHT</u>	<u>EXPOSURE GUIDELINES</u>
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A proprietary catalyst mixture. Identity, CAS Numbers, and/or percent composition are trade secrets.

See Section 8 for Exposure Guidelines

### SECTION 3           HEALTH HAZARD IDENTIFICATION

#### PRIMARY ROUTES OF ENTRY

**EYE:**                       Extremely irritating and corrosive. Direct contact may cause irritation, redness, pain, burns, blurred vision, and corneal edema.

**SKIN:**                     Moderate to extremely irritating and/or corrosive. Contact may cause reddening, itching, inflammation, pain, blistering, and tissue damage.

**INGESTION:**             Ingested product may be corrosive to mouth, throat, and stomach, and cause burning pain of the mouth, throat, and abdomen, and labored breathing and constriction of the throat, followed by nausea and vomiting.

**INHALATION:**           Inhalation may cause irritation of the respiratory tract. Effects may include sore throat, coughing, difficulty in breathing, shortness of breath, and delayed lung edema.

**CARCINOGEN**

NA = Not Applicable  
ND = Not Determined

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LISTINGS: NA

### **SECTION 4 FIRST AID MEASURES**

#### EMERGENCY/FIRST AID PROCEDURES

- EYE:** Flush eyes with large amounts of water for 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical attention if irritation persists.
- SKIN:** Quickly remove contaminated clothing. Thoroughly wash exposed area of skin with soap and water. Rinse with flooding amounts of water. For reddened or blistered skin seek medical attention.
- INGESTION:** DO NOT INDUCE VOMITING. Contact a poison control center. If victim is conscious, give 2 to 4 glasses water or milk to dilute stomach contents. Get medical attention immediately. Keep affected person warm and at rest. Gastric lavage with activated charcoal may be used by a physician to prevent absorption.
- INHALATION:** In case of overexposure, immediately move person from contaminated area to fresh air at once and support breathing as needed. Get medical attention immediately. If breathing difficulties occur, administer oxygen until medical assistance can be rendered. Keep affected person warm and at rest.

### **SECTION 5 FIRE FIGHTING MEASURES**

#### **EXTINGUISHING MEDIA:**

Use dry chemical, alcohol foam, all purpose Aqueous Film Forming Foam (AFFF), or carbon dioxide to extinguish fire. Water may be ineffective but should be used to cool fire exposed containers, structures, and to protect personnel. If leak or spill has not ignited, ventilate area and use water spray to disperse vapors and to protect personnel attempting to stop leak. Use water to dilute spills and to flush away from sources of ignition. Do not flush down public sewers or other drainage systems.

#### **SPECIAL FIRE FIGHTING INSTRUCTIONS:**

Product is dangerous when exposed to heat or flame. Fire may produce poisonous or irritating gas, fumes, or vapors. Exposed firefighters should wear National Institute for Occupational Safety and Health (NIOSH)/Mine Safety and Health Administration (MSHA) approved self-contained breathing apparatus with full-face mask and full protective equipment.

FLASH POINT: NA

FLAMMABILITY LIMITS: NA

NA = Not Applicable  
ND = Not Determined

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LOWER EXPLOSIVE LIMIT: NA

UPPER EXPLOSIVE LIMIT: NA

AUTO IGNITION TEMPERATURE: NA

### **SECTION 6 ACCIDENTAL RELEASE MEASURES**

#### **ACTION TO TAKE FOR SPILLS/LEAKS**

Take immediate steps to stop and contain spill. Caution should be used regarding personnel safety and exposure to the spilled material. Small spills may be diluted with water and mopped up or absorbed with noncombustible absorbent material or other absorbent known to be compatible. For large spills, dike area far ahead of spill for later cleanup and disposal.

#### **NOTIFICATION INFORMATION**

There are no specific reporting requirements for release of this material as supplied under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), Title 40 of the Code of Federal Regulations, Section 302, (40 CFR 302) or the Superfund Amendment and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements for the release of this material at the local, regional or state level.

### **SECTION 7 HANDLING AND STORAGE**

#### **HANDLING AND STORAGE PROCEDURES**

Use good personal hygiene. Do not eat, drink, apply cosmetics or smoke in areas of use or storage. Wash hands and face thoroughly after handling and before eating, drinking or smoking.

Contaminated work clothes should not be brought home. A sensitized employee should not be exposed to the material that causes the sensitization.

Protect from moisture. Store in a clean dry area.

Empty containers may contain toxic or corrosive residue or vapors.

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### **SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### ENGINEERING CONTROLS/WORK PRACTICES

##### VENTILATION:

Control airborne concentrations below the exposure guidelines specified by the Occupational Safety and Health Administration (OSHA) or other local, state and federal regulations.

#### PERSONAL PROTECTIVE EQUIPMENT/PROTECTIVE MEASURES

RESPIRATORY PROTECTION: Respiratory protection is not normally necessary.

##### PROTECTIVE CLOTHING:

Avoid skin contact. Wear appropriate chemical protective gloves and protective clothing such as armcovers or aprons.

##### EYE PROTECTION:

Avoid eye contact with this material. Wear chemical goggles. Do not wear contact lenses when working with this substance. Do not touch the eyes with contaminated skin or materials. Provide an eye wash station in the work area.

##### OTHER PROTECTIVE EQUIPMENT:

Depending on conditions, additional protection may be necessary such as face shield, apron, armsleeves, or other protective clothing.

##### EXPOSURE GUIDELINES:

A proprietary catalyst mixture:

Graphite (synthetic)	PEL	5 mg/m <sup>3</sup> (respirable), 10 mg/m <sup>3</sup> (total) (OSHA)
	TWA	5 mg/m <sup>3</sup> (respirable), 10 mg/m <sup>3</sup> (total) (NIOSH)

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### **SECTION 9            PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Powder

COLOR: Black

SPECIFIC GRAVITY (water=1): NA

VAPOR PRESSURE: NA

VAPOR DENSITY (air=1): NA

VISCOSITY: NA

MELTING POINT: NA

BOILING POINT: NA

EVAPORATION RATE (water=1): NA

% VOLATILE BY VOLUME: NA

SOLUBILITY IN WATER: Insoluble

pH: NA

### **SECTION 10           STABILITY AND REACTIVITY**

STABILITY:

Stable under most storage conditions.

INCOMPATIBILITY:

Incompatible with strong acids, bases, and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Combustion may produce toxic gas such as sulfur dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

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### **SECTION 11            DISPOSAL CONSIDERATION**

#### WASTE DISPOSAL METHOD

This substance, when discarded or disposed of, is a hazardous waste according to U.S. EPA regulations as defined in Title 40 of the Code of Federal Regulations, Part 40, Section 261 (40 CFR 261).

The transportation, storage, treatment, and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations.

### **SECTION 12            TRANSPORTATION INFORMATION**

#### DOT INFORMATION

HAZARD CLASS: Corrosive Solid

PROPER SHIPPING NAME: Corrosive Solid, n.o.s.

LABELS REQUIRED: Corrosive Solid

PLACARDS REQUIRED: Corrosive Solid

BILL OF LADING DESCRIPTION: Corrosive Solid, n.o.s. 8, UN1759, II\*

UN/NA CODE: UN1759

Packaging Group: II\*

\* - Under certain circumstances PGIII can be used instead of PGII. Consult regulations.

### **SECTION 13            REGULATORY INFORMATION**

All components of this product are listed on the Toxic Substances Control Act (TSCA) inventory. All components of this product are listed on the Canadian Domestic Substances List (DSL) Inventory.

The Canadian Workplace Hazardous Materials Information System (WHMIS) Other Toxic Effects category applies to this product.

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### **SARA TITLE III INFORMATION**

This product is classified as an Immediate Hazard and Delayed Hazard under the hazard categories of the Superfund Amendments and Reauthorization Act (SARA) Section 311/312 (40 CFR 370).

This product does not contain toxic chemicals (in excess of the applicable de minimis concentration) that are subject to the annual toxic chemical release reporting requirements of SARA Section 313 (40 CFR 372).

### **OTHER REGULATORY INFORMATION**

ND

### **SECTION 14            OTHER APPLICABLE INFORMATION**

Persons with pre-existing skin and respiratory disorders may be more susceptible to the effects of this product.

REVISION DATE:    January 29, 2009

SUPERSEDES:        December 6, 2004

NOTICE TO USERS: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Data Safety Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vender for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.