

## MATERIAL SAFETY DATA SHEET

### SECTION 1           CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME OR NUMBER:   **R2066 Rubber**

Carbon Fiber Filled Rubber Prepreg

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: February 25, 2000

### 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>
Carbon Fiber	7440-44-0	25-30	Supplier recommended exposure limit: 3.0 fibers per cubic centimeter.
Polychloroprene	9010-98-4	70-80	None Established
n-Hexane	110-54-3	1-3	PEL   50 ppm (180 mg/m <sup>3</sup> ) (OSHA) TLV   50 ppm (176 mg/m <sup>3</sup> ) (ACGIH)

### SECTION 3           HEALTH HAZARD IDENTIFICATION

#### PRIMARY ROUTES OF ENTRY

- EYE:**                   Slightly irritating. Airborne fibers and particles can cause mild irritation. At processing temperatures above 100 °C (212 °F), irritating fumes may be released that may cause reddening, tearing, and itching of the eyes.
- SKIN:**                   Slightly irritating. Prolonged or repeated exposure to chloroprene polymers may cause a rash, skin sensitization, and chloracne.
- INGESTION:**           Not a normal route of exposure. Accidental ingestion may cause gastrointestinal disturbances. Other symptoms such as nausea, vomiting, abdominal pain or diarrhea may develop.
- INHALATION:**         Inhalation of airborne fibers or particles of respirable size may cause respiratory tract irritation. At processing temperatures above 100 °C (212 °F), irritating fumes may be released. These fumes may cause coughing, nose and throat irritation, and soreness.

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CARCINOGEN  
LISTINGS: NA

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

#### EMERGENCY/FIRST AID PROCEDURES

**EYE:** In case of contact immediately wash eyes with large amounts of water for 15 minutes, holding the eyelids apart to ensure thorough flushing. If irritation persists, seek medical attention.

**SKIN:** Wash gently with soap and water to remove dust and fibers.

**INGESTION:** Drink extra water to assist natural elimination. Seek medical attention if gastrointestinal irritation persists or other symptoms such as nausea, vomiting, or abdominal pain occur.

**INHALATION:** Move to fresh air. Drink water to clear throat and blow nose to remove fibers. Get immediate medical attention if necessary.

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

#### **EXTINGUISHING MEDIA:**

Use extinguishing agent suitable for type of surrounding fire.

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

Irritating or toxic substances may be emitted upon thermal decomposition. Exposed firefighters should wear NIOSH approved self-contained breathing apparatus with full face mask and full protective equipment.

**FLASH POINT:** NA

**FLAMMABILITY LIMITS:** NA

**LOWER EXPLOSIVE LIMIT:** NA

**UPPER EXPLOSIVE LIMIT:** NA

**AUTO IGNITION TEMPERATURE:** Unknown

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

#### ACTION TO TAKE FOR SPILLS/LEAKS

NA

#### 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) (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

Store in a refrigerated (~40 °F) clean, dry place. Keep containers closed. Use good personal hygiene. Do not eat, drink or smoke in areas of use or storage. Wash hands and face thoroughly after handling and before eating, drinking or smoking.

### **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. Respiratory protection may be needed when handling used material in non-routine or emergency situations. If exposure limits may possibly exceed the TLV or respiratory irritation is experienced, NIOSH approved respiratory protection should be worn. An industrial hygienist or other qualified professional should be consulted during the respiratory selection process to assure that the respiratory protection used is appropriate under the conditions of use. A respiratory protection program that meets OSHA's 29 CFR 1910.134 requirements must be followed whenever workplace conditions warrant a respirator's use.

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### **PROTECTIVE CLOTHING:**

Avoid skin contact. Wear gloves when handling this product.

### **EYE PROTECTION:**

Eye protection is not normally necessary.

### **OTHER PROTECTIVE EQUIPMENT:**

Depending on conditions, additional protection may be necessary such as eye protection, apron, oversleeves or other protective clothing.

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

**PHYSICAL STATE:** Solid

**COLOR:** Black

**SPECIFIC GRAVITY (water=1):** 1

**VAPOR PRESSURE:** < 1

**VAPOR DENSITY (air=1):** NA

**MELTING POINT:** Softens at temperatures greater than 80 °C (176 °F)

**BOILING POINT:** NA

**EVAPORATION RATE (water=1):** Negligible

**% VOLATILE BY VOLUME:** NA

**SOLUBILITY IN WATER:** NA

**pH:** NA

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

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizer.

HAZARDOUS DECOMPOSITION PRODUCTS:

Hazardous thermal decomposition products may be formed, and could include: carbon monoxide, carbon dioxide, hydrogen chloride, and chlorine vapors, sulfur dioxide, and n-nitrosamines.

HAZARDOUS POLYMERIZATION: Will not occur.

### **SECTION 11 DISPOSAL CONSIDERATION**

#### WASTE DISPOSAL METHOD

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: NA

PROPER SHIPPING NAME: NA

LABELS REQUIRED: NA

PLACARDS REQUIRED: NA

BILL OF LADING DESCRIPTION: Product Name

UN/NA CODE: NA

### **SECTION 13 REGULATORY INFORMATION**

This product contains chemicals listed on the Toxic Substances Control Act (TSCA) inventory. This product contains hexane which is a listed hazardous air pollutant under Section 112 of the Clean Air Act and is subject to the EPA TSCA Section 12 (b) Export Notification regulation.

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This product contains hexane which is 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.

### SARA TITLE III INFORMATION

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

This product contains hexane (in excess of the applicable de minimis concentration) and is subject to the annual toxic chemical release reporting requirements of SARA Section 313 (40 CFR 372), Section 302 (40 CFR 355), and Section 311/312.

<u>Component</u>	<u>CAS Number</u>	<u>Maximum %</u>
Hexane	110-54-3	3

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

#### INCINERATION:

Attempts to incinerate may cause fibers to become widely dispersed and result in failure of electrical equipment.

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REVISION DATE: February 25, 2000            REPLACES SHEET DATED: December 16, 1997  
COMPLETED BY: CLAYTON GROUP SERVICES, INC.

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