

MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME OR NUMBER: **TG3000**
Fiberglass Wool Insulation

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 19, 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>
Fiberglass wool silica	65997-17-3	95-99	PEL 5 mg/m ³ , (respiratory) TLV 10 mg/m ³ , for fibrous glass dust
Urea extended phenol- formaldehyde resin, cured	25104-55-6	1-4	None Established
Free formaldehyde as contained in cured phenol-formaldehyde resin	50-00-0	0-1	PEL 0.75 ppm, STEL 2 ppm TLV-Ceiling 0.3 ppm
Free phenol as contained in cured phenol-formaldehyde resin	108-95-2	Trace	PEL (skin) 5 ppm (19 mg/m ³) TLV (skin) 5 ppm (19 mg/m ³)

SECTION 3 HEALTH HAZARD IDENTIFICATION

PRIMARY ROUTES OF ENTRY

EYE: Contact with airborne dust and particles may cause irritation, pain, and itching.

SKIN: Contact may cause reddening, itching, and inflammation.

MATERIAL SAFETY DATA SHEET

INGESTION: Not a normal route of exposure. However, ingestion in sufficient quantities may cause gastrointestinal tract irritation.

INHALATION: May cause transient irritation of the upper respiratory tract. Effects may include coughing, nasal congestion or sore throat

CARCINOGEN LISTINGS: IARC has determined that there is inadequate evidence for the carcinogenicity of fibrous glass wool in humans, and sufficient evidence for carcinogenicity in experimental animals. (IARC Class --2B).

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: 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: NA

FLASH POINT: NA

FLAMMABILITY LIMITS: NA

LOWER EXPLOSIVE LIMIT: ND

UPPER EXPLOSIVE LIMIT: ND

AUTO IGNITION TEMPERATURE: NA

NA = Not Applicable

ND = Not Determined

MSDS - TG3000

Page 2 of 6

MATERIAL SAFETY DATA SHEET

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

No special handling or storage procedures required.

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 respirator selection process to assure that the respiratory protection used is appropriated 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.

PROTECTIVE CLOTHING: Protective clothing is not normally necessary.

EYE PROTECTION: Eye protection is not normally necessary.

MATERIAL SAFETY DATA SHEET

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

COLOR: Brownish-yellow

SPECIFIC GRAVITY: ND

VAPOR PRESSURE: NA

VAPOR DENSITY (air=1): NA

MELTING POINT: 704 °C (1300 °F)

BOILING POINT: NA

EVAPORATION RATE (water=1): NA

% VOLATILE BY VOLUME: ND

SOLUBILITY IN WATER: ND

pH: NA

SECTION 10 STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions of use.

INCOMPATIBILITY:

Incompatible with strong acids, bases, and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Hazardous thermal decomposition products may include carbon monoxide, carbon dioxide, and hydrogen cyanide.

HAZARDOUS POLYMERIZATION: NA

MATERIAL SAFETY DATA SHEET

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

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.

SARA TITLE III INFORMATION

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

This product contains formaldehyde (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>
Formaldehyde	50-00-0	1

MATERIAL SAFETY DATA SHEET

This product contains formaldehyde and phenol which are listed hazardous air pollutants under Section 112 of the Clean Air Act and are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42 with reference to Appendix D, Tables II-V)

PROPOSITION 65 INFORMATION

Glass wool fibers (airborne particles of respirable size) and formaldehyde are listed as chemicals subject to the State of California Proposition 65, the Safe Drinking Water and Toxic Enforcement Act of 1986.

Formaldehyde and phenol are listed as extraordinarily hazardous substances as defined by the Massachusetts Right-to-Know Law, Department of Health, Chapter 105, Section 670.005.

Formaldehyde is listed as a special hazardous substance as defined in Pennsylvania Right-to-Know Law, Section 3800.

SECTION 14 OTHER APPLICABLE INFORMATION

ND

REVISION DATE: January 19, 2000 REPLACES SHEET DATED: November 19, 1997
COMPLETED BY: CLAYTON GROUP SERVICES, INC.

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.