

MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME OR NUMBER: **OVEN CONDENSATE**

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 24, 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>
Cresols	1319-77-3	5	PEL (skin) 5 ppm (22 mg/m ³) TLV (skin) 5 ppm (22 mg/m ³)
Phenol	108-95-2	4	PEL (skin) 5 ppm (19 mg/m ³) TLV (skin) 5 ppm (19 mg/m ³)
Xylenols	1300-77-6	2	None Established

SECTION 3 HEALTH HAZARD IDENTIFICATION

PRIMARY ROUTES OF ENTRY

EYE: Severely irritating. Direct contact may cause burning, irritation, corneal edema and possible corneal opacity.

SKIN: Moderately to severely irritating. Absorption from extensive skin contact may cause poisoning. Exposure may cause symptoms similar to those listed under "Oral Ingestion" (See Oral Ingestion section). Repeated or prolonged exposure may cause smarting, reddening, tingling, inflammation, and may cause dermatitis and/or allergic sensitization in some individuals.

INGESTION: Ingested product may be corrosive to the lips, mouth, throat and stomach and cause ulceration of the mucous membranes. In severe cases symptoms may include cramps, nausea, vomiting, and harmful central nervous system effects. Effects may include shock, convulsions, loss of consciousness, coma, respiratory arrest and death. Product may also cause liver and kidney damage.

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INHALATION: Inhalation may cause irritation of the respiratory tract. Other effects may include coughing, shortness of breath and symptoms similar to those listed under "Oral Ingestion" (See Oral Ingestion section).

CARCINOGEN 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. Get medical attention immediately.

SKIN: Quickly remove contaminated clothing. Rinse with flooding amounts of water for at least 15 minutes. Thoroughly wash exposed area of skin with soap and water. Do not rub or scratch exposed skin. For reddened or blistered skin seek medical attention.

INGESTION: Ingestion is an unlikely route of exposure. **DO NOT INDUCE VOMITING.** Contact a poison control center. Get medical attention immediately. Keep affected person warm and at rest.

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 extinguishing agent suitable for type of surrounding fire. Do not flush down public sewers or other drainage systems.

SPECIAL FIRE FIGHTING INSTRUCTIONS:

Product does not ignite easily. Fire may produce poisonous or irritating gas, fumes or vapor. Exposed fire fighters should wear NIOSH/MSHA approved self-contained breathing apparatus with full face mask and full protective equipment. Use clothing recommended specifically for use with phenols.

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FLASH POINT: 60 °C (140 °F) by SETAFLASH

FLAMMABILITY LIMITS: NA

LOWER EXPLOSIVE LIMIT: ND

UPPER EXPLOSIVE LIMIT: ND

AUTO IGNITION TEMPERATURE: ND

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 absorbed with sand or other noncombustible absorbent material known to be compatible. For large spills, dike area far ahead of spill for later cleanup and disposal.

NOTIFICATION INFORMATION

This material contains one or more constituents regulated as hazardous substances under U.S. Federal Law. The reportable quantity (RQ) of this material is 20,000 pounds, calculated on the basis of the regulated constituent providing the lowest RQ according to the following formula:

Constituent RQ/% in Material

Any spill, release, or substantial threat of release, of this material to the air, water and/or land in an amount equal to or in excess of the RQ in any 24 hour period, must be reported immediately to the National Response Center (800-424-8802); in Washington, D.C. (202-426-2675), unless the release results in exposure to persons solely within the boundaries of the facility.

In addition, under the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355) any release of this material to the air, water and/or land in an amount equal to or in excess of the RQ must be reported to the State Emergency Response Commission(s) and Local Emergency Planning Committee(s) likely to be affected by the release, unless the release is federally permitted or the release results in exposure to persons solely within the boundaries of the facility. In the event there is no Local Emergency Planning Committee, notification shall alternatively be made to the relevant local emergency response personnel.

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SECTION 7 HANDLING AND STORAGE

HANDLING AND STORAGE PROCEDURES

Accidental ingestion of this material should be avoided. 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 which causes the sensitization.

Empty containers may contain toxic or corrosive residue or vapors.

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 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.

PROTECTIVE CLOTHING:

Avoid skin contact. Wear gloves when handling this product.

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.

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OTHER PROTECTIVE EQUIPMENT:

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

Avoid taking unwashed work clothes home. Wash work clothes separately from other clothing. Rinse washing machine thoroughly after use. If clothing is to be laundered by someone else, inform launderer of proper procedure.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

COLOR: Brown/Black Liquid

SPECIFIC GRAVITY (water=1): 1.02

VAPOR PRESSURE: ND

VAPOR DENSITY (air=1): ND

MELTING POINT: NA

BOILING POINT: ND

EVAPORATION RATE (water=1): ND

% VOLATILE BY VOLUME: 14

SOLUBILITY IN WATER: 100%

pH: 9.5

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY:

Incompatible with strong acids and oxidizing agents.

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HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition products may be hazardous and could include carbon dioxide, and toxic phenolic fumes.

HAZARDOUS POLYMERIZATION: See stability.

SECTION 11 DISPOSAL CONSIDERATION

WASTE DISPOSAL METHOD

This substance, when discarded or disposed of, is a hazardous waste according to Federal regulations (40 CFR 261). It is listed as Hazardous Waste Number F004.

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 Material

PROPER SHIPPING NAME: Oven Condensate

LABELS REQUIRED: Corrosive Liquid

PLACARDS REQUIRED: Corrosive Liquid

BILL OF LADING DESCRIPTION: Product Name

UN/NA CODE: UN1760

SECTION 13 REGULATORY INFORMATION

All hazardous components of this product are listed on the Toxic Substances Control Act (TSCA) inventory.

This product contains cresols, phenol, and xylenols that are listed on the Canadian Domestic Substances List (DSL) Inventory.

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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 Hazard, and 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 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).

<u>Component</u>	<u>CAS Number</u>	<u>Maximum %</u>
Cresols	1319-77-3	5
Phenol	108-95-2	4

This product contains cresols and phenol which are listed hazardous air pollutants under Section 112 of the Clean Air Act.

Cresols, phenol, and xylenols are regulated pollutant pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42 with reference to Appendix D, Tables II-V)

Phenol is listed as an extraordinarily hazardous substance as defined in the Massachusetts Right-to-Know Law, Department of Health, Chapter 105, Section 670.005.

SECTION 14 OTHER APPLICABLE INFORMATION

ND

REVISION DATE: February 24, 2000 REPLACES SHEET DATED: November 20, 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.