

MATERIAL SAFETY DATA SHEET U.S. DEPARTMENT OF LABOR

May be used to comply with OSHA's Occupational Safety and Health Administration Hazard Communication Standard, 29 CFR (Non-Mandatory Form) 1910.1200. Standard must be consulted Form Approved for specific requirements. OMB No. 1218-0072

Section I

Date Prepared January 23, 1997

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s) OSHA PEL ACGIH TLV Other Limits Recommended % (optional)

Polymer Enhanced Carbon (Non-Hazardous)

ACTIVATED CARBON: At high temperatures (above 750 degrees Celsius) activated carbon can react with water producing Hydrogen and Carbon Monoxide which are flammable and explosive gases. Hence water should only be used as a copious spray for firefighting in order to ensure rapid cooling of the material.

Section III - Physical/Chemical Characteristics

Boiling Point N/A Specific Gravity ($H_2O = 1$) .91 (Theoretical)

Vapor Pressure (mm Hg.) N/A Melting Point 160 F.

Vapor Density (AIR = 1) N/A Evaporation Rate (Butyl Acetate = 1) N/A

Solubility in Water NEGLIGIBLE Appearance and Odor Granular, Essentially Odorless

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A Flammable Limits N/A LEL N/A UEL N/A

Extinguishing Media

WATER FOG, FOAM, DRY CHEMICAL, CO_2

Special Fire Fighting Procedures

SEE SECTION VII AND SECTION VIII

Unusual Fire and Explosion Hazards

NONE KNOWN, AVOID CONTACTING WITH STRONG OXIDIZERS

Section V - Reactivity Data

Stability Unstable Conditions to Avoid

Stable X EXTREME HEAT, OPEN FLAME

Incompatibility (Materials to Avoid)

STRONG OXIDIZERS, OXYGENATED ORGANICS

Hazardous Decomposition or Byproducts

CO, CO₂ MAY PRODUCE ACROLEIN, ACIDS, KETONES, ALDEHYDES. TREAT COMBUSTION PRODUCTS AS TOXIC.

Hazardous May Occur Conditions to Avoid

Polymerization Will Not Occur X

Section VI - Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion?

Health Hazards (*Acute and Chronic*)

AVAILABLE DATA AND EXPERIENCE SHOW POTENTIAL FOR SLIGHT IRRITATION TO EYES, SLIGHT ORAL TOXICITY.

Carcinogenicity: N/A NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure

PRODUCT MAY BE SLIGHTLY IRRITATING TO EYES. ORAL TOXICITY IS LOW. THERMAL DECOMPOSITION MAY PRODUCE TOXIC IRRITATING GASES OR FUMES. (SEE HAZARDOUS DECOMPOSITION OR BYPRODUCTS)

Medical Conditions - Generally Aggravated by Exposure

PREEXISTING EYE, SKIN & RESPIRATORY DISORDERS MAY BE AGGRAVATED BY PRODUCT.

Emergency and First Aid Procedures

EYE CONTACT: FLUSH EYES WITH WATER. IF IRRITATION OCCURS, CONSULT PHYSICIAN.

BURNS: TREAT AS FOR ORDINARY BURNS.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

RECOVER SOLID WITH BROOM, SHOVEL OR VACUUM. AVOID GENERATING DUST CLOUDS. PUT RECOVERED MATERIAL IN CONTAINERS FOR RECLAMATION OR DISPOSAL.

Waste Disposal Method

FOLLOW FEDERAL, STATE AND LOCAL REGULATIONS. WHEN USED AS ABSORBENT, FOLLOW REGULATIONS FOR ABSORBED MATERIAL.

Precautions to Be Taken in Handling and Storing

PRODUCT CAN ACCUMULATE STATIC CHARGES WHEN HANDLED. STORE IN DRY VENTILATED AREA.

Other Precautions

AVOID BREATHING VAPORS FROM HEATED PRODUCT. AVOID BREATHING NUISANCE DUST.

Section VIII - Control Measures

Respiratory Protection (Specify Type) USE DUST MASK.

Ventilation Local Exhaust NO SPECIAL REQUIREMENT **Special** N/A

Mechanical (General) NO SPECIAL REQUIREMENT

Protective Gloves NOT REQUIRED **Eye Protection** SAFETY GLASSES OR GOGGLES

Other Protective Clothing or Equipment NONE REQUIRED

Work/Hygienic Practice

NORMAL HYGIENE PRACTICES SHOULD BE FOLLOWED; WASH HANDS, ETC. AFTER HANDLING.

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