

MATERIAL SAFETY DATA SHEET

GLOBAL ECOTECHNOLOGIES
315 HARBOR STREET
PITTSBURG, CA 94565

MEDICAL EMERGENCIES: 911
GENERAL INFORMATION: 925 473-9250

DATE REVISED: MAY 2, 2006

CHEMTREC ASSISTANCE: 1 800 424-9300

SECTION I - PRODUCT DESCRIPTION

PRODUCT NAME: **DC-360 DUST CONTROL CONCENTRATE**
PRODUCT CLASS: Asphalt Acrylic Polyurethane Aqueous Emulsion

NFPA 704M/HMIS RATING: 1-HEALTH 0-FLAMMABILITY 0-REACTIVITY
= Least 1 = Slight 2 = Moderate 3 = High 4 = Extreme

READ THE ENTIRE MSDS FOR A MORE THOROUGH EVALUATION OF THE HAZARDS.

SECTION II - HAZARDOUS INGREDIENTS

PETROLEUM ASPHALT	CAS #8052-42-4 <7.5%	OSHA PEL (mgm ³) = NE ACGIH TLV (mgm ³) = 5
PETROLEUM DISTILLATE	CAS #8052-41-3 <1.5%	OSHA PEL (ppm) = 500 ACGIH TLV (ppm) = 100

The above ingredients are the only known chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

SECTION III - PHYSICAL DATA

BOILING POINT: 190-212°F.

WEIGHT/GALLON: 8.8

VAPOR DENSITY: HEAVIER THAN AIR

% VOLATILE BY WEIGHT: 45%

EVAPORATION RATE: SLOWER THAN ETHER

SKIN PROTECTION (protective material): Permeation/degradation values of chemical mixtures cannot be predicted from pure components or chemical classes. Thus, these materials are normally best estimates based on available pure component data. A significant difference in chemical breakthrough time has been reported for generically similar gloves from different manufacturers (AIHA J., 48, 941-947 1987). Do not use until manufacturer's precautions have been read/understood. Wash exposed areas promptly and thoroughly after skin contact from working with this product and before eating, drinking, using tobacco products, or restrooms.

Do not wear contact lens without proper eye protection when using this product.

SECTION IV - FIRE AND EXPLOSION HAZARD INFORMATION

FLAMMABILITY CLASSIFICATION: OSHA Combustible Liquid Class III B
DOT Not Regulated

FLASH POINT: Over 200°F. (PMCC) LEL: 1.2% (TEA)

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Water Fog

UNUSUAL FIRE & EXPLOSION HAZARDS: Material will not support combustion unless the water has evaporated.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers, to prevent pressure build-up.

ADDITIONAL COMMENTS: Material is a polymeric water emulsion containing petroleum hydrocarbon water emulsion and will not ignite until water is removed.

SECTION V - HEALTH HAZARD INFORMATION

GENERAL: The health effects of this product have not been tested. The following information is based on the hazards of its components and materials of similar chemical family.

EFFECTS OF OVER EXPOSURE:

- Eye Contact: May cause redness and slight irritation.
- Inhalation: May cause irritation to nose, throat or lungs.
- Skin: May cause irritation.
- Ingestion: May cause nausea, gastro irritation, vomiting.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None Known

PRIMARY ROUTE(S) OF ENTRY: Dermal, eye contact, inhalation.

SECTION VI - EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Immediately flush with large amounts of water for at least 15 minutes. If redness, itching, or a burning sensation develops seek medical aid.

SKIN CONTACT: Wash material off of the skin with plenty of soap and water. If redness, itching, or a burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

INHALATION: Remove from exposure to fresh air. If breathing has stopped or is difficult, administer artificial respiration, preferably mouth-to-mouth. If breathing is labored give oxygen as indicated. Seek medical aid.

INGESTION: If victim is conscious and alert, give 1-2 glasses of water or milk. If gastrointestinal symptoms develop, seek medical aid. (Never give anything by mouth to an unconscious person.)

NOTE: Material information listed is for concentrate form. Material is used in a form normally diluted with two parts asphalt emulsion and nine parts water. No effects are expected from diluted material. However, asphalt emulsion used for dilution is normally transported and handled at elevated temperatures (up to 180°F.). Consult Material Safety Data Sheet (MSDS) for materials used for diluting this material.

There is inadequate evidence at the time of this printing that asphalt alone is carcinogenic to humans and no other constituents of the concentrate material are listed as carcinogens by NTP, IARC or OSHA.

SECTION VII - SAFE HANDLING AND USE INFORMATION

HANDLING, STORAGE & OTHER PRECAUTIONS: Keep away from excessive heat that can raise material vapor pressure above container limits. Keep away from strong oxidizers.

Keep containers closed when not in use. Stop any leaks if it can be done safely without risk. Contain releases or spills by diking (earthen or sand bags) ahead of spill and use adsorbent materials to prevent spreading. Do not allow spill to enter non-controlled drains, rivers, streams or lakes if possible. Isolate area and prevent entry to affected area. Observe all Federal, State, and Local regulations. This material is not a hazardous waste under RCRA regulations (40 CFR 261)

SECTION VIII - REACTIVITY DATA

STABILITY: Stable under normal conditions.

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: Normal combustion products including carbon dioxide, carbon monoxide, and oxides of nitrogen.

Conditions To Avoid: None Known

Incompatibility (Materials To Avoid): Strong oxidizers

SECTION IX - PERSONAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS: Provide sufficient exhaust ventilation measures to meet published exposure limits.

RESPIRATORY PROTECTION: Select respiratory protection based upon the airborne level of suspected contaminant. Levels found in the work place must not exceed the working limit of the respirator utilized. Use only NIOSH/MSHA approved respirators which have been suitably fitted to prevent risk of exposure.

Dermal: Provide appropriate worker protective clothing, gloves, and equipment to prevent repeated or prolonged contact with the skin.

Eyes: Provide proper eye/face protection to prevent material exposure to eyes.

SECTION X - TRANSPORTATION

D.O.T. PROPER SHIPPING NAME (49 CFR 172.101):

Non-Hazardous Emulsion

D.O.T. HAZARD CLASS (49 CFR 172.101):

Not Applicable

UN/NA CODE (49 CFR 172.101):

Not Applicable

PACKING GROUP (49 CFR 172.101):

Not Applicable

BILL OF LADING DESCRIPTION (49 CFR 172.202)

Non-Hazardous Emulsion

D.O.T. LABEL REQUIRED (49 CFR 172.101):

Not Applicable

D.O.T. PLACARDS REQUIRED (49 CFR 172.101):

Not Applicable

IMPORTANT NOTICE: The information contained in this Material Safety Data Sheet (MSDS) has been prepared in accordance with the OSHA Hazard Communication Standard (CFR1910 1200). This information relates specifically to the product designated and may not be valid for the product when used in combination with any other material or products or in a particular process. The information is, to the best of our knowledge and belief, accurate and reliable as of the date reported. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. The user should review this information to satisfy itself as to suitability and completeness and pass on the information to its' employees or customers in accordance with applicable federal, state or local hazard communication requirements. We do not accept responsibility for any loss or damage which may occur from the use of this information.