

M A T E R I A L S A F E T Y D A T A S H E E T

Date Printed: 12/6/2006

Page: 1

mPale

*physical
K.L.*

PRODUCT NAME: mPale
PRODUCT CODE: mPACTmPALE

HMIS CODES: H F R P
1 0 0 B

===== SECTION 1 - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: mPACT ENVIRONMENTAL SOLUTIONS, LLC
ADDRESS : P.O. BOX 1545
400 SOUTH MAIN ST
FOUNTAIN INN, SC 29644

EMERGENCY PHONE : (864) 862-6688
INFORMATION PHONE : (864) 862-6688

DATE REVISED: 08/11/2006
PREPARED BY: EHS Department

===== SECTION 2 - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	WEIGHT PERCENT
METHYL ALCOHOL	67-56-1	1
OSHA PEL: Final rule TLV Skin TWA 200 ppm; STEL 250 ppm		
ACGIH TLV: Same		

===== SECTION 3 - HAZARDS IDENTIFICATION =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Excessive or prolonged inhalation may cause narcotic effects. Excessive exposure can lead to impairment of cognizant faculties.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Direct contact may burn eyes with possible permanent injury.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause irritation similar to a rash with localized edema, reddening, and raised lesions.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May be harmful or fatal if swallowed.

HEALTH HAZARDS (ACUTE AND CHRONIC)

This material does not meet the criteria for designation as an acute or delayed health hazard pursuant to the Occupational Health and Safety Act when used in a manner consistent with its labeling.

M A T E R I A L S A F E T Y D A T A S H E E T

Date Printed: 12/6/2006

Page: 2

mPale

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED:
Yes

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

There is no direct data available pertaining to aggravation of existing medical conditions by this product.

===== **SECTION 4 - FIRST AID MEASURES** =====

EYES:

Immediately flush eyes with plenty of cool, clean water for at least 15 minutes. Keep eyelids apart to maintain maximum contact with the water. Do not allow the individual to rub their eyes. Get immediate medical attention.

SKIN:

This material should not cause irritation. In people with an existing sensitivity to such products, a reddening of the skin may occur. If irritation persists, consult a doctor.

INHALATION:

Adverse effects are not expected when product is used in open areas. In the event a person has an existing sensitivity to products such as this, avoid using the product in enclosed areas where vapors may gather. If breathing becomes difficult or painful, consult a doctor.

INGESTION:

Induce vomiting immediately as directed by medical personnel. DO NOT give anything by mouth or attempt to induce vomiting in an unconscious individual. GET IMMEDIATE MEDICAL ATTENTION.

NOTE TO PHYSICIAN:

This product contains 1% Methanol. A fatal dose of Methanol is usually around 100 milliliters (3 - 4 ounces). Methanol can cause blindness, coma, and death.

===== **SECTION 5 - FIRE AND EXPLOSION HAZARD DATA** =====

FLASH POINT: >212 Degrees F METHOD USED: Tag Closed Cup
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA:

Use water spray, dry chemicals, foam or carbon dioxide. Use water spray to keep fire-exposed containers cool. If a spill or leak has ignited, use water spray to disperse the vapors. Water

mPale

spray may be used to flush spills away from a fire and to dilute spills to non-flammable mixtures. Do not flush into a storm drain or public sewer.

SPECIAL FIREFIGHTING PROCEDURES

Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity. Use self-contained breathing apparatus (SCBA) and proper personal protection clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

There are no known unusual fire or explosion hazards associated with this material in its virgin form. However, in a fire fighting scenario involving multiple chemicals, fire fighters should be aware of possible synergistic effects and attack the fire accordingly.

===== SECTION 6 - ACCIDENTAL RELEASE MEASURES =====**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED****Land Release:**

Simultaneously dike and contain as much material as possible. Begin containerization process as soon as practical. Rinse spill area with water after cleanup is complete and containerize all rinse water.

Air Release:

There is no air release associated with the normal use of this material.

Water Release:

This material is soluble/dispersible in water. Stop source of spill if safe to do so. Divert all flow and contain in a dike or trench. Remove and containerize or neutralize in place, then remove for proper disposal.

===== SECTION 7 - HANDLING & STORAGE =====**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Store below 100 degrees F.

OTHER PRECAUTIONS

Eye wash and safety showers are recommended in the immediate work area. Check with your state OSHA to determine the need and maximum distance for stations to be placed in regards to possible chemical exposure.

===== SECTION 8 - CONTROL MEASURES =====

M A T E R I A L S A F E T Y D A T A S H E E T

Date Printed: 12/6/2006

Page: 4

mPale

RESPIRATORY PROTECTION

In the course of normal use, consistent with the product's labeling, respiratory protection is not required. Care should be taken to avoid remaining in an enclosed area where a significant concentration of product mist or vapors are present.

VENTILATION

Normal ventilation has been found to be generally adequate. The end user must determine if the process or methods involved with the use of this material requires any additional or special ventilation.

PROTECTIVE GLOVES

Rubber, butyl, neoprene or plastic gloves should be worn when using this material to avoid skin contact.

EYE PROTECTION

Safety glasses with side shields are recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Not generally required under normal working conditions. The end user must determine if the process or methods involved require other personal protection clothing and/or equipment.

WORK/HYGIENIC PRACTICES

Do not eat, drink or smoke in areas where chemicals are being stored or handled. Wash thoroughly before handling food or beverages.

===== SECTION 9 - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING POINT: 212 F.

SPECIFIC GRAVITY (H₂O=1): 1.00
TYPICAL

VAPOR DENSITY: N/D

EVAPORATION RATE: Not listed

pH: 4.0

PERCENT VOLATILES: N/D

SOLUBILITY IN WATER: Completely soluble in water.

APPEARANCE AND ODOR: Clear colorless liquid with mild odor.

===== SECTION 10 - REACTIVITY DATA =====

STABILITY: Stable under ordinary conditions of use and storage.

CONDITIONS TO AVOID

Protect from freezing.

INCOMPATIBILITY (MATERIALS TO AVOID)

Avoid strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

M A T E R I A L S A F E T Y D A T A S H E E T

Date Printed: 12/6/2006

Page: 5

mPale

Thermal decomposition of this product during fire or very high heat conditions may evolve hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds; Nitrogen oxides; Silicon dioxide; Formaldehyde.

HAZARDOUS POLYMERIZATION: Will not occur.

===== SECTION 11 - TOXICOLOGICAL INFORMATION =====

RESULTS OF TOXICITY TESTING.

No information is available.

===== SECTION 12 - ECOLOGICAL INFORMATION =====

ENVIRONMENTAL IMPACT OF MATERIAL

This product contains pesticides that are toxic to aquatic life. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit. Do not discharge effluent to sewer systems without notifying the local sewage treatment plant authority.

Inactivation of solutions containing this product may be accomplished by the addition of an anionic surfactant in a quantity equivalent the percent active ingredients.

===== SECTION 13 - DISPOSAL CONSIDERATIONS =====

WASTE DISPOSAL METHODS

Dispose of material in an approved chemical waste landfill or incinerate in accordance with applicable Federal, State and local regulations. Since emptied containers retain material residues, all labeled hazard precautions must be observed.

===== SECTION 14 - TRANSPORTATION INFORMATION =====

THIS MATERIAL IS REGULATED BY THE D.O.T. (Y/N): N

D.O.T. DESCRIPTION FROM HAZARDOUS MATERIALS TABLE 49 CFR 172.101:

Not Regulated.

REPORTABLE QUANTITY IF APPLICABLE: No reportable materials.

===== SECTION 15 - REGULATORY INFORMATION =====

CERCLA

The Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous

mPale

Definition of abbreviations utilized in this Material Safety Data Sheet:

N/A = Not Applicable; N/E = Not Established; UNK = Unknown; N/D = Not Determined; EHS Department = Environmental, Health and Safety Department; OSHA = U. S. Occupational Health and Safety Administration; ACGIH = American Conference of Governmental Industrial Hygienists, Threshold Limit Values and Biological Exposure Indices; TLV = Threshold Limit Value; PEL = Personal Exposure Limit; STEL = Short Term Exposure Limit; PNOC = Particulates Not Otherwise Classified; PNOR = Particulates Not Otherwise Regulated; < = Less than; > = Greater than.

Please Note: The Hazardous Material Identification System (HMIS), is a voluntary, subjective alpha-numeric symbolic system for recommending hazard risk and personal protection equipment information. It is a subjective rating system based on the evaluator's understanding of the chemical and associated risks. The end user must determine if the code is appropriate for their use.

The regulatory listings provided herein are not inclusive of all possible regulations affecting this material. It is the end-user's responsibility to determine all local, state, federal or international regulations/restrictions that may apply.

===== SECTION 17 - DISCLAIMER =====

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.