



MSDS Material Safety Data Sheet

CS-117 BIO-DISPERSANT

24 Hour Emergency Telephone
3E Company (800) 451-8346

NOTE: 3E Company emergency number to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident. For routine questions or application information, please call Mid-West Solutions 219-661-8230

Revision Date: August 1, 2005

SECTION I - PRODUCT IDENTIFICATION

Product/Chemical Name: CS-117 BIO-DISPERSANT
Proper Shipping Name: NOT REGULATED BY DOT
Hazard Class: NON-HAZARDOUS (DOT)
Hazard ID#: N/A
Completed by and Phone Number: Donald Carr (219) 661-8230

SECTION II - HAZARDOUS COMPONENTS

Hazardous Ingredient Name	CAS Number	% By Weight	OSHA PEL	ACGIH TLV
Proprietary Ingredient		40%		

SECTION III - PHYSICAL DATA

Boiling Point (Degrees F): NOT AVAILABLE
Evaporation Rate: AS WATER
Vapor Pressure (mm Hg): AS WATER
Vapor Density (Air= 1): AS WATER
Solubility In Water: SOLUBLE
Appearance and Odor: CLEAR -AMBER LIQUID/ SLIGHT AMINE LIKE ODOR.

Specific Gravity: 0.95-1
Percent Volatile: N/D
pH Neat: 5.5-6.5

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
HMIS and NFPA: HEALTH: 2 FIRE: 1 REACTIVITY: 1
Reactivity: 1
Extinguishing Media: PRODUCT CONTAINS WATER. IF WATER IS REMOVED, USE CARBON DIOXIDE, DRY CHEMICAL OR FOAM
Special Fire Fighting Instructions: WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND FULL TURNOUT GEAR DURING FIRE FIGHTING
Unusual Fire and Explosion Hazards: NONE

LEL: N/D
UEL: N/D

SECTION V - HEALTH HAZARD INFORMATION

Acute Effects

Inhalation: MAY BE HARMFUL IF INHALED. DO NOT BREATHE SPRAY MISTS OF THE UNDILUTED PRODUCT. EFFECTS WILL DEPEND ON SOLUTION STRENGTH AND LENGTH OF TIME OF EXPOSURE.
Skin: HAZARDOUS IN CASE OF SKIN CONTACT (IRRITANT). NON-SENSITIZER FOR SKIN. SKIN INFLAMMATION IS CHARACTERIZED BY ITCHING< SCALING, REDDENING, OR, OCCASIONALLY BLISTERING.
Eye: VERY HAZARDOUS IN CASE OF EYE CONTACT (IRRITANT). INFLAMMATION OF THE EYE IS CHARACTERIZED BY REDNESS, WATERING AND ITCHING.
Ingestion: HAZARDOUS IN CASE OF INGESTION (IRRITANT).

*** First Aid ***

Inhalation: REMOVE TO A SOURCE OF FRESH AIR. IF INDIVIDUAL EXPERIENCES NAUSEA, HEADACHE, DIZZINESS, HAS DIFFICULTY BREATHING OR IS CYANOTIC, GET MEDICAL ATTENTION IMMEDIATELY.

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Skin: WASH EXPOSED AREA WITH PLENTY OF SOAP AND WATER. REPEAT WASHING. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSING. IF IRRITATION PERSISTS CONSULT A HEALTH CARE PROFESSIONAL.

Eye: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. TAKE EXPOSED INDIVIDUAL TO A HEALTH CARE PROFESSIONAL, PREFERABLY AN OPHTHALMOLOGIST, FOR FURTHER EVALUATION.

Ingestion: DO NOT INDUCE VOMITING. RINSE WITH COPIOUS AMOUNTS OF WATER OR MILK, FIRST. IRRIGATE THE ESOPHAGUS AND DILUTE STOMACH CONTENTS BY SLOWLY GIVING ONE (1) TO TWO (2) GLASSES OF WATER OR MILK. AVOID GIVING ALCOHOL OR ALCOHOL RELATED PRODUCTS. IN CASES WHERE THE INDIVIDUAL IS SEMI-COMATOSE, COMATOSE OR CONVULSING, DO NOT GIVE FLUIDS BY MOUTH. CONSULT PHYSICIAN IMMEDIATELY.

*** Medical Conditions Generally Aggravated By Exposure ***

PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.

SECTION VI - REACTIVITY DATA

Stability: STABLE UNDER NORMAL CONDITIONS OF USE AND STORAGE. KEEP FROM FREEZING.

Incompatibility (Materials to Avoid): STRONG OXIDIZERS, STRONG ALKALIS, STRONG ACIDS

Hazardous Decomposition Products: THE THERMAL DECOMPOSITION OF PRODUCT CAN PRODUCE TOXIC VAPORS OF CARBON OXIDES, NITROGEN OXIDES AND/OR AMMONIA.

Hazardous Polymerization: WILL NOT OCCUR

SECTION VII - SPILL OR LEAK PROCEDURES

Spill, Leak or Release: BLOCK ANY POTENTIAL ROUTES TO WATER SYSTEMS (E.G., SEWERS, STREAMS, LAKES, ETC.). RECOVER AS MUCH OF THE PURE PRODUCT AS POSSIBLE INTO POLY-DRUMS. APPLY DRY ABSORBENT MATERIAL AND SWEEP UP THOROUGHLY TO ABSORB ANY MATERIAL THAT CAN NOT READILY BE RECOVERED AS PURE PRODUCT. LATER, DETERMINE IF THIS RECOVERED PRODUCT CAN BE USED FOR ITS INTENDED PURPOSE. ADDRESS CLEAN-UP OF CONTAMINATED ENVIRONMENTS.

Waste Disposal: FOLLOW PERTINENT REGULATION FOR DISPOSAL. IT IS THE RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE, AT THE TIME OF DISPOSAL, WHETHER A MATERIAL CONTAINING THE PRODUCT OR DERIVED FROM THE PRODUCT SHOULD BE CLASSIFIED AS A HAZARDOUS WASTE. (40 CFR 261.20-24)

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: PROVIDE DILUTION VENTILATION TO CONTROL VAPOR AND/OR MIST LEVEL.

Ventilation: GENERAL MECHANICAL VENTILATION IS ADEQUATE. LOCAL EXHAUST PREFERRED IN MISTING CONDITIONS.

Protective Clothing/Equipment: RUBBER GLOVES, IMPERMEABLE APRON AND SHOES ARE RECOMMENDED.

Eye Protection: ANSI APPROVED CHEMICAL WORKERS GOGGLES OR FULL FACE SHIELD.

Other Protective Equipment: EYE-WASH AND SAFETY SHOWER.

Comments: NEVER EAT, DRINK, OR SMOKE IN WORK AREAS. PRACTICE GOOD PERSONAL HYGIENE AFTER USING THIS MATERIAL.

SECTION IX - SPECIAL PRECAUTIONS

Storage and Handling Conditions: AVOID STORAGE NEAR STRONG OXIDIZERS, ACIDS OR ALKALIS. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINERS CLOSED WHEN NOT IN USE.



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SECTION X - STATE LISTS

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): THIS PRODUCT DOES NOT CONTAIN ANY COMPONENTS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE TOXICITY ABOVE NO SIGNIFICANT RISK LEVELS.

ADDITIONAL PRODUCT INFORMATION

*** Carcinogens as Defined By ***

NTP : NONE
IARC: NONE
OSHA: NONE

*** Environmental Information ***

SARA Title III(Superfund Amendments and Reauthorization Act)

SARA 302 Extremely Hazardous Substance List: NO COMPONENTS OF THIS PRODUCT ARE LISTED

SARA 312 Hazard Category: IMMEDIATE (ACUTE) HEALTH HAZARD

SARA 313 Toxic Chemicals List: NO COMPONENTS OF THIS PRODUCT ARE PRESENT ABOVE DE MINIMUS LEVELS.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)

NO COMPONENTS OF THIS PRODUCT ARE PRESENT ABOVE THE DE MINIMUS LEVELS.

RCRA (Resource Conservation and Recovery Act) Listed Hazardous Waste

NO COMPONENTS OF THIS PRODUCT ARE LISTED

CWA (Clean Water Act) Listed Substances: NO COMPONENTS OF THIS PRODUCT ARE LISTED.

FDA (Food and Drug Administration)

THIS PRODUCT IS NOT APPROVED FOR FOOD CONTACT USES.

TSCA (Toxic Substances Control Act) Applicability

ALL COMPONENTS ARE LISTED ON THE TSCA INVENTORY.

FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act)

THIS PRODUCT IS NOT A REGISTERED PESTICIDE.

Other Information

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of our knowledge as of the date issued. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use are beyond our control, Mid-West solutions, Inc. makes no warranty, express or implied, regarding the accuracy of such data or its suitability for any purchaser's use or for any consequence of its use. The data in this MSDS relates only to the specific material designated here in and does not relate to use in combination with any other material or in any process. Safe handling and use remains the responsibility of the purchaser. Mid-West solutions, Inc. assumes no responsibility for injury to the recipient or to third persons or for any damage to any property and the recipient assumes all such risks.

- End of MSDS -