

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

24-hour Emergency Phone: (800)255-3924

PRODUCT CODE: 2115

PRODUCT NAME: BD 50
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H M I S C O D E S : H C F R P
 2 1 0 C

W H M I S C L A S S : D,2,B & E

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: ATCO International
 ADDRESS : 2136 Kingston Court
 Marietta, GA 30067-8902
 INFORMATION PHONE : (770)424-7550

DATE PRINTED: 1/11/2008

PREPARED BY: MAURICIO A. AMAYA, DIRECTOR OF TECHNICAL SERVICES
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===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS		PEL	TIV	WEIGHT PERCENT
Sodium Metasilicate Pentahydrate	6834-92-0	ND	ND	1-5%
*2-BUTOXYETHANOL	111-76-2	50ppm	20ppm	1-5%
Dodecyl Benzene Sulfonic Acid	68584-22-5	ND	ND	1-5%
Amino Alcohol	124-68-5	ND	ND	1-5%
*SODIUM HYDROXIDE - 50% SOLUTION	1310-73-2	ND	ND	>1%

* Indicates toxic chemical subject to the reporting requirements of SARA Title III, Sec. 313

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: Approx. 212 F SPECIFIC GRAVITY (H2O=1): 1.03
 VAPOR DENSITY: ND EVAPORATION RATE: ND
 DENSITY: 8.60 lb/gl MATERIAL V.O.C.: < 3.0 % by weight
 SOLUBILITY IN WATER: COMPLETELY SOLUBLE. pH (Concentrate): 13.2
 APPEARANCE: CLEAR AMBER LIQUID. pH (Diluted): (1:100) 11.5
 ODOR: CITRUS/BUTYL

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

OSHA FLAMMABILITY CLASSIFICATION: CLASS IIIB
 FLASH POINT: ND METHOD USED: ND
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: ND UPPER: ND

EXTINGUISHING MEDIA: In case of fire, use water fog, dry chemical carbon dioxide, or "alcohol" foam. Water stream may be ineffective and may result in spreading the fire. Water spray (fog) is particularly effective.

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SPECIAL FIREFIGHTING PROCEDURES: Water spray may be ineffective and may cause fire to spread. If water is used, fog nozzles are preferred. Water may be used to cool closed containers in order to prevent pressure build up which may result in the rupture of the containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None. However, containers may burst if overheated in fire. Cool containers using water spray or water fog nozzles.

===== SECTION V - REACTIVITY DATA =====

STABILITY: Product is stable under normal conditions.

CONDITIONS TO AVOID: Open flame, sparks, or high temperature.

INCOMPATIBILITY (MATERIALS TO AVOID): Acids, strong oxidizers.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Thermal decomposition and burning may produce carbon dioxide and carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

===== SECTION VI - HEALTH HAZARD DATA =====

PRIMARY ROUTES OF ENTRY: Inhalation _____ Eye Contact X
Skin Contact X Ingestion X

EXPOSURE LIMIT: Refer to Section II for PEL / TLV exposure limits.

ACUTE EFFECTS OF OVEREXPOSURE

INHALATION: May cause nose, throat, and lung irritation.

EYE CONTACT: Eye irritant. May cause injury if left untreated.

SKIN CONTACT: Can cause irritation which may include the following symptoms: reddening, swelling, or rash.

SKIN ABSORPTION: May be harmful if absorbed through skin.

INGESTION: Exposure can result in irritation and corrosive action in the mouth, stomach tissue and digestive tract.

CHRONIC EFFECTS OF OVEREXPOSURE: Contains 2-butoxyethanol, which can cause liver or kidney damage if absorbed thru the skin in large amounts.

TARGET ORGAN(S): Eyes, skin, liver and kidneys.

CARCINOGENICITY: NTP CARCINOGEN: _____ IARC MONOGRAPHS: _____ OSHA REGULATED: _____

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE: Overexposure to this material (or its components) may adversely affect people with chronic disease of the cardiovascular system, blood and/or skin.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air immediately. If person experiences nausea, headache, dizziness, or has difficulty breathing, get medical attention immediately.

EYE CONTACT: Flush eyes with cool running water for 15 minutes while calling for IMMEDIATE MEDICAL ATTENTION. Washing eyes within several seconds is essential to achieve maximum effectiveness.

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SKIN CONTACT: In case of contact, immediately flush skin with soap and water. Remove contaminated clothing and wash thoroughly before reuse. If irritation occurs, consult a physician.

INGESTION: IF SWALLOWED: Call a physician immediately. Do NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Stop source of spill. Absorb with inert absorbant material and dispose of in a manner consistant with applicable regulations.

WASTE DISPOSAL METHOD: Dispose of in accordance with applicable Federal, State, and local regulations. Under RCRA regulations, it is the responsibility of the product user to determine, at the time of disposal, whether a material is hazardous.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store above 120 F. Keep closure tight and container upright to prevent leakage. Store drum out of sunlight and away from heat, sparks, or flame. Store only in well-ventilated areas.

OTHER PRECAUTIONS: Follow label instructions. KEEP OUT OF REACH OF CHILDREN.

===== SECTION VIII - PERSONEL SAFETY MEASURES =====

RESPIRATORY PROTECTION: None required in excess of normal ventilation.

VENTILATION: Local mechanical exhaust to provide normal ventilation.

PROTECTIVE GLOVES: Impervious gloves should be worn.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required.

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling.

===== SECTION IX - REGULATORY INFORMATION =====

TOXIC SUBSTANCES CONTROL ACT (TSCA): All chemical components in this product are listed on the TSCA Inventory List, or are exempt from listing.

SARA Section 312 HAZARD CATEGORIES: Fire Hazard___ Reactivity Hazard___

Acute Health Hazard_X_ Chronic Health Hazard_X_ Pressure Hazard___

SARA Section 313 REPORTABLE COMPONENTS: (See Section II, If Applicable)

===== SECTION X - SHIPPING INFORMATION =====

DOT SHIPPING NAME: Corrosive Liquids, n.o.s. (contains Sodium Hydroxide)

DOT HAZARD CLASS: Class 8

UN NUMBER: UN 1760

DOT PACKING GROUP: Group III

SPECIAL SHIPPING INFORMATION: Except gallon sizes or less than gallon sizes.

===== DISCLAIMER =====

The information on this Material Safety Data Sheet represents our current available data and best opinion as to the proper handling in use of this product under normal conditions. Any use of this product which is not in conformance with this Data Sheet or which involves using this product in combination with other materials, or processes is the sole responsibility of the user.