

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: 4100

PRODUCT NAME: NU-BLUE
 PRODUCT CODE: 4100

H M I S C O D E S : H C F R P
 1 0 1 B

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: 11/13/2006
 PREPARED BY: MAURICIO A. AMAYA, DIRECTOR OF TECHNICAL SERVICES
 REVISION DATE: 09/20/2006

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

REPORTABLE COMPONENTS	CAS NUMBER	PEL	TLV	WEIGHT PERCENT
Urea monohydrochloride	NA	ND	ND	

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

BOILING RANGE: 212 F SPECIFIC GRAVITY (H2O=1): 1.02
 VAPOR DENSITY: ND EVAPORATION RATE: ND
 DENSITY: 8.51 lb/gl MATERIAL V.O.C.: ND
 SOLUBILITY IN WATER: COMPLETE pH (Concentrate): <1.0
 APPEARANCE: CLEAR BLUE LIQUID pH (Diluted): ND
 ODOR: MINT.

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

OSHA FLAMMABILITY CLASSIFICATION: CLASS IIIB
 FLASH POINT: >212 F METHOD USED: ND
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: ND UPPER: ND

EXTINGUISHING MEDIA: Water spray, carbon dioxide or dry chemical.

SPECIAL FIREFIGHTING PROCEDURES: Keep containers cool with water spray. Avoid breathing decomposition products. Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Avoid exposure to fumes and vapors from a fire. Vapors could include sulfur dioxide, hydrogen chloride and oxides of nitrogen.

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

STABILITY: Product is stable under normal conditions.
 CONDITIONS TO AVOID: Heating above 230 degrees F can result in an exothermic decomposition with rapid release of carbon dioxide gas.
 INCOMPATIBILITY (MATERIALS TO AVOID): Avoid mixing with caustics or oxidizers.
 HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Thermal decomposition and or burning may produce oxides of carbon and nitrogen, ammonia, HCl gas.
 HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

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===== 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: Mist can cause nose, throat, and lung irritation.

EYE CONTACT: Product is irritating to eyes and can cause damaged if left unattended.

SKIN CONTACT: May cause skin irritation on repeated or prolonged contact.

SKIN ABSORPTION: Can be irritating to skin

INGESTION: This product may be harmful if ingested.

CHRONIC EFFECTS OF OVEREXPOSURE: Chronic effects and medical conditions aggravated by overexposure to this product have not been established. Unnecessary exposure to this product or any chemical should be avoided.

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE: Skin contact may aggravate existing dermatitis.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid 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.

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: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. GET MEDICAL ATTENTION IMMEDIATELY.

===== 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 consistent 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.

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP OUT OF REACH OF CHILDREN. Keep container tightly closed. If product is transferred from original container, store only in fiberglass or plastic containers. Do not store in metal, especially aluminum, containers. Do not store where temperatures can get above 120 degrees F.

OTHER PRECAUTIONS: Do not get in eyes. Avoid skin contact.

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

RESPIRATORY PROTECTION: Not normally required if good ventilation is maintained. Avoid breathing vapors or mist.

VENTILATION: Local mechanical exhaust to provide normal ventilation.

PROTECTIVE GLOVES: Impervious gloves recommended.

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

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash, safety shower, impervious clothing.

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___ Pressure Hazard___

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

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

DOT SHIPPING NAME: Cleaning Compound - liquid

DOT HAZARD CLASS: Not Applicable

UN NUMBER: Not Applicable

DOT PACKING GROUP: Not Applicable

SPECIAL SHIPPING INFORMATION: Not Applicable

===== 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.