

MATERIAL SAFETY DATA SHEET

Abbreviations used on this Material Safety Data Sheet:

N/av. = Not available, N/ap. = Not applicable, ppm = parts per million, TLV = Threshold Limit Value.

NFPA Hazard Rating: 4 - Extreme, 3 - High, 2 - Moderate, 1- Slight, 0- None, X - Blank

WHMIS HAZARD: SLIGHT NFPA HAZARD RATING: NONE HEALTH - 2 , FLAMMABILITY - 0 , REACTIVITY- 2

SECTION 1 - PRODUCT IDENTIFICATION AND USE

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| PRODUCT IDENTIFIER: | NEUTRALIZER | | | |
| PRODUCT USE: | FLOOR CARE ALKALI NEUTRALIZER | | | |
| MANUFACTURED FOR: | ARIES SUPPLY | SUPPLIERS NAME:: | | |
| STREET ADDRESS: | 3921 S. CAPITOL ST. S.W. SUITE 5 | | STREET ADDRESS: | |
| CITY / STATE: | WASHINGTON, DC | ZIP CODE: | 20032 | CITY / STATE: |
| EMERGENCY TELEPHONE: | 1-800-255-3924 | ZIP CODE: | | EMERGENCY TELEPHONE: |

SECTION 2 - HAZARDOUS INGREDIENTS

| | % | CAS NUMBER | LETHAL DOSE (50%) OF INGREDIENT (SPECIFY SPECIES AND ROUTE) | LETHAL CONCENTRATION (50%) OF INGREDIENT (SPECIFY SPECIES AND ROUTE) |
|------------------------------|----|------------|---|--|
| PHOSPHORIC ACID (FOOD GRADE) | 20 | 7664-38-2 | 9000 MG/KG (oral, rat) | N/AV |
| CITRIC ACID (FOOD GRADE) | 10 | 77-92-9 | N/AP | N/AP |
| WATER | 63 | 7732-18 | N/AP | N/AV |
| MALIC ACID (FOOD GRADE) | 7 | 6915-15-7 | N/AP | N/AP |

SECTION 3 - PHYSICAL DATA

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|--------------------------|--------|-------------------------------|-----------------------------|---|-----------------------|-----------------------|----------------------|
| PHYSICAL STATE: | LIQUID | ODOR AND APPEARANCE: | LIGHT GREEN ODORLESS LIQUID | | THRESHOLD ODOR (ppm): | N/AP | |
| VAPOUR PRESSURE: (mm Hg) | 8.2 | VAPOUR DENSITY: (Air = 1) | N/AV | EVAPORATION RATE: (n-Butyl acetate = 1) | N/AV | BOILING POINT: >100°C | FREEZING POINT: <0°C |
| PH: | 3.0 | SPECIFIC GRAVITY: (Water = 1) | 1.3 | COEFFICIENT OF WATER/OIL DISTRIBUTION: | N/AP | | |

SECTION 4 - FIRE AND EXPLOSION DATA

| | | | | | | | |
|--|------|---|--|---|------|--|--|
| FLAMMABILITY IF YES, UNDER WHICH CONDITIONS? YES NO X | | | | | | | |
| MEANS OF EXTINCTION: AS FOR SURROUNDING FIRE | | | | | | | |
| SPECIAL PROCEDURES: NORMAL FIRE FIGHTING PROCEDURE | | | | | | | |
| FLASHPOINT AND METHOD: | NONE | UPPER FLAMMABILITY LIMIT: (% BY VOLUME) | N/AP | LOWER FLAMMABILITY LIMIT: (% BY VOLUME) | N/AP | | |
| AUTOIGNITION TEMPERATURE: | N/AV | HAZARDOUS COMBUSTION PRODUCTS: | CAN REACT WITH METALS TO PRODUCE HYDROGEN GAS WHICH IS FLAMMABLE | | | | |
| EXPLOSION DATA: SENSITIVITY TO IMPACT: | NO | | | SENSITIVITY TO STATIC DISCHARGE: | N/AV | | |

SECTION 5 - REACTIVITY DATA

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| CHEMICAL STABILITY IF NO, UNDER WHICH CONDITIONS? YES X NO | |
| INCOMPATIBILITY WITH OTHER SUBSTANCES IF YES, WHICH ONES? YES X NO | ALKALIS; REACTIVE METALS, BLEACH, AMMONIA |
| REACTIVITY, AND UNDER WHAT CONDITIONS? FLAMMABLE HYDROGEN GAS MAY BE PRODUCED ON CONTACT WITH METALS SUCH AS ALUMINUM, TIN, LEAD, and ZINC. | |
| HAZARDOUS DECOMPOSITION PRODUCTS: NONE | |

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| PRODUCT IDENTIFIER: NEUTRALIZER | | | |
| SECTION 6 -TOXICOLOGICAL PROPERTIES | | | |
| ROUTE OF ENTRY: SKIN CONTACT X SKIN ABSORPTION EYE CONTACT X INHALATION INGESTION X | | | |
| EFFECTS OF ACUTE EXPOSURE TO PRODUCT: SLIGHTLY TOXIC ON SKIN; CORROSIVE UPON EYE CONTACT | | | |
| EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: MAY CAUSE BURNS TO EXPOSED TISSUE | | | |
| EXPOSURE LIMITS: SLIGHTLY TOXIC ORALLY/ SKIN | IRRITANCY OF PRODUCT: CONTACT WITH EYES/SKIN | SENSITIZATION TO PRODUCT: N/AV | CARCINOGENICITY: NO |
| TERATOGENICITY: N/AV | REPRODUCTIVE TOXICITY: N/AV | MUTAGENICITY: NO GENETIC CHANGE IN STANDARD TEST USING BACTERIAL CELLS. | SYNERGISTIC PRODUCTS: N/AV |
| SECTION 7 - PREVENTIVE MEASURES | | | |
| PERSONAL PROTECTIVE EQUIPMENT: | | | |
| GLOVES (SPECIFY): NEOPRENE OR RUBBER | | RESPIRATOR (SPECIFY): N/AP | EYE (SPECIFY): SAFETY GLASSES OR GOGGLES |
| FOOTWEAR (SPECIFY): IMPERVIOUS | | CLOTHING (SPECIFY): NO | OTHER (SPECIFY): NONE |
| ENGINEERING CONTROLS (SPECIFY, VENTILATION, ENCLOSED PROCESS): LOCAL EXHAUST IN AREAS WHERE DUSTY OR MISTY CONDITIONS PREVAIL | | | |
| LEAK AND SPILL PROCEDURE: USE APPROPRIATE SAFETY EQUIPMENT, DIKE AREA, COLLECT FOR DISPOSAL | | | |
| WASTE DISPOSAL: IN ACCORDANCE TO LOCAL, PROVINCIAL AND FEDERAL AUTHORITIES. | | | |
| HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH METALS, WEAR IMPERVIOUS CLOTHING, USE ADEQUATE VENTILATION | | | |
| STORAGE REQUIREMENTS: COOL; DRY; WELL VENTILATED AREA | | | |
| SPECIAL SHIPPING INFORMATION: KEEP FROM FREEZING: NORMAL PROCEDURES | | | TDG. UN NUMBER N/AP |
| SECTION 8 - FIRST AID MEASURES | | | |
| SPECIFIC MEASURES: EYE CONTACT: IMMEDIATELY FLUSH WITH COPIOUS AMOUNTS OF POTABLE WATER. SEEK MEDICAL ATTENTION IMMEDIATELY. INHALATION: REMOVE TO FRESH AIR. IF DISCOMFORT PERSISTS OBTAIN MEDICAL ATTENTION. SKIN CONTACT: FLUSH WITH COPIOUS AMOUNTS OF POTABLE WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION IMMEDIATELY. INGESTION: RINSE MOUTH WITH WATER; DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION. | | | |
| SECTION 9 - PREPARATION DATE OF MSDS | | | |
| PREPARED BY: ULTRA CHEM INDUSTRIES LTD DIRECTOR TECHNICAL SERVICES | PHONE NUMBER: 1-604-946-8357 | DATE: FEBRUARY 2005 | |