

ARROW-MAGNOLIA International, Inc.



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

HOS 4 BRITE

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5/2/2008

Freight Class: 55 BOL Description: COMPOUND CLEANING, LIQUID, 8, NA1760, PG III, (CONTAINS HYDROCHLORIC ACID / PHOSPHORIC ACID) -

PRODUCT NAME: PHOS 4 BRITE
PRODUCT CODE: CR-5560-055GL

HMS CODES: H F R P
1 0 0 D

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Arrow-Magnolia International, Inc.

ADDRESS : 2646 Rodney Lane
Dallas, Texas 75229

DATE PRINTED : 5/2/2008

EMERGENCY PHONE : 800-255-3924

DATE PREPARED : 05/12/06

INFORMATION PHONE : 972-247-7111

NAME OF PREPARER : Eddie L Caruthers II

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

TLV

REPORTABLE COMPONENTS	CAS NUMBER	mg / M3
* HYDROGEN CHLORIDE	7647-01-0	8
* PHOSPHORIC ACID	7664-38-2	1
* ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	125
AMMONIUM HYDROGEN FLUORIDE	1341-49-7	N/E

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.
ALL REPORTABLE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA CHEMICAL SUBSTANCE INVENTORY.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (H2O=1): 1.115

VAPOR DENSITY: N/A

EVAPORATION RATE: SLOWER THAN ETHER

SOLUBILITY IN WATER: YES

VOLATILITY : 73.00

pH : 1.10

VAPOR PRESSURE : 36.00 mm Hg at Temp : 77.00 Degrees :

APPEARANCE AND ODOR: Clear Water White Liquid with a Acid Odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None

METHOD USED: -

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A

UPPER: N/A

EXTINGUISHING MEDIA: WATER, FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER

SPECIAL FIREFIGHTING PROCEDURES: Respiratory equipment should be worn to avoid inhalation of concentrated vapors. No other special precautions or procedures are required.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

SECTION V - REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: Excessive heat, poor ventilation, corrosive atmospheres, excessive aging.

INCOMPATIBILITY (MATERIALS TO AVOID): Alkaline materials, strong acids and oxidizing materials.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon monoxide, carbon dioxide, oxides of nitrogen, chlorine gas and possibly acrolein.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Inhalation: Possible dizziness, breathing difficulty, headaches & loss of coordination.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Eye contact: Severe irritation, tearing, redness and blurred vision.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Skin contact: Can dry and defat skin causing cracks, irritation, and dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Ingestion: Can cause gastrointestinal irritation, vomiting, nausea, diarrhea, and in severe cases, collapse, unconsciousness and possibly death.

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HEALTH HAZARDS (ACUTE AND CHRONIC): Inhalation-Dizziness, breathing difficulty, headaches, & loss of coordination. Eye contact-Severe irritation, tearing, redness, and blurred vision. Skin contact-Can dry and defat skin causing cracks, irritation, and dermatitis. Ingestion-Can cause gastrointestinal irritation, vomiting, ausea, & diarrhea

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No
INFORMATION NOT AVAILABLE.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Anesthesia, respiratory tract irritation, dermititis, nausea, vomiting

EMERGENCY AND FIRST AID PROCEDURES: Inhalation overexposure-None known Eye Contact-Flush with large quantities of water for 15 minutes, contact physician if irritation persist. Skin contact-Wash thoroughly with soap and water. Ingestion-Drink large amounts of water and induce vomiting. Contact physician immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: For small spills, flush with water to drain. For large spills, provide good ventilation, dike spill area and add soda ash or sodium bicarbonate to neutralize and absorb liquid. Place in suitable container and dispose of in accordance with local, state and federal regulations.

WASTE DISPOSAL METHOD: Consult local, state & federal hazardous waste regulat'n before disposing into approved hazardous waste landfills. Obey relevant laws.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Use under normal atmospheric conditions in well-ventilated areas. Keep containers closed when not in use. Keep away from children.

OTHER PRECAUTIONS: Store in normal atmospheric conditions and away from any items listed in SECTION V.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: When spraying this material at pressures greater then 135 psi use a NIOSH approved cartridge respirator or gas mask suitable to keep airborne mists and vapor concentrations below the time weighted threshold limit values. When using in poorly ventilated and confined spaces, use a fresh-air supplying respirator or a self-contained breathing apparatus.

VENTILATION: General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below TLV. Ventilation equip. must be explosion proof.

PROTECTIVE GLOVES: Impermeable chemical handling gloves for skin protection.

EYE PROTECTION: Use chemical safety glasses, goggles, or faceshields for eye protection.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Use impermeable aprons and protective clothing including head caps whenever possible if skin contact is expected. The use of head caps whenever possible is strongly recommended.

WORK/HYGIENIC PRACTICES: Eye washes and safety showers in the workplace are recommended.

SECTION IX - DISCLAIMER

IMPORTANT: ALL PRECAUTIONS AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED ON THE INGREDIENTS LISTED IN SECTION II AND NOT ON DIRECT TEST DATA. IT IS WRITTEN TO INSURE THAT TLV LIMITS ARE NOT SURPASSED.

WHILE THE DESCRIPTIONS, DESIGNS AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE THERE ARE MANY FACTORS THAT MAY AFFECT THE APPLICATION AND/OR USE, WE HIGHLY RECOMMEND THAT YOU GENERATE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, ARE MADE REGARDING THIS PRODUCT. IN NO CASE SHALL THIS INFORMATION OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE INFORMATION AND DATA FURNISHED BY ARROW-MAGNOLIA INTERNATIONAL LP ASSUMES NO OBLIGATION OR LIABILITY FOR THE INFORMATION AND DATA GIVEN OR FOR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR OWN RISK.