



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

CARBON X

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Freight Class: 55 B.O.L Description: COMPOUND CLEANING - NON HAZARDOUS

PRODUCT NAME: CARBON X

HMIS CODES: H F R P

PRODUCT CODE: CD-2035

1 0 0 A

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

MANUFACTURER'S NAME: Arrow Magnolia International LP

ADDRESS : 2646 Rodney Lane
Dallas, Texas 75229

EMERGENCY PHONE : 800-255-3924

DATE PRINTED : 11/28/2006

INFORMATION PHONE : 972-247-7111

NAME OF PREPARER : Eddie L Caruthers II

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

REPORTABLE COMPONENTS	CAS NUMBER	TLV mg / M3
* ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	125
* DODECYL BENZENE SULFONIC ACID	27176-87-0	N/E
TALL OIL FATTY ACID	61790-12-3	N/E
MORPHOLINE	110-91-8	N/E
SODIUM HYDROXIDE	1310-73-2	2

* 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 =====

BOILING RANGE: 129C - 599F SPECIFIC GRAVITY (H2O=1): 1.009
VAPOR DENSITY: N/A EVAPORATION RATE: SLOWER THAN ETHER
COATING V.O.C.: 0.0 lb/gal MATERIAL V.O.C.: 0.0 lb/gal
SOLUBILITY IN WATER: YES VOLATILITY : 91.
pH : 12.5 VAPOR PRESSURE : 31.mm Hg at Temp : 77.Degrees :
APPEARANCE AND ODOR: Clear water white or artificially colored liquid with characteristic 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.



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

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 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.

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SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE
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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 absorbant to 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.

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SECTION VIII - CONTROL MEASURES
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RESPIRATORY PROTECTION: When spraying this material 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, and faceshields for eye protection.

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

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

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SECTION IX - DISCLAIMER
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IMPORTANT: 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.