

SAFETY DATA SHEET



DATE PRINTED	1/31/2018
SDS REF. No :	FM-4660-1

MACH I

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MACH I
PRODUCT CODE: FM-4660-1
PRODUCT Industrial or Commercial use.
RECOMMENDED USE :

MANUFACTURER
Arrow Magnolia Inc.
P.O. Box 59089
Dallas, TX, 75229
9722477111

24 HR. EMERGENCY TELEPHONE NUMBER
CHEMTREC (US Transportation): (800)424-9300
CHEMTREC (International Transportation) : 1(202)483-7616

2. HAZARDS IDENTIFICATION

CLASSIFICATION:

May cause Serious Eye Damage/Eye Irritation and / or Skin Damage/Skin Irritation. - Category 2

GHS LABEL ELEMENTS:



SIGNAL WORD: WARNING

HAZARD STATEMENTS:

May be harmful and/ or fatal if swallowed and enters airways. May cause eye irritation and/or damage. May cause skin Irritation? May cause dizziness, breathing difficulty, headaches and loss of coordination if inhaled.

PRECAUTIONARY STATEMENTS:

IF SWALLOWED, ENTERS AIR WAYS OR EYES: CONTACT A PHYSICIAN

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2
DODECYL BENZENE SULFONIC ACID	27176-87-0
SODIUM HYDROXIDE	1310-73-2
MORPHOLINE	110-91-8

* Toxic chemical subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

"WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM."

4. FIRST AID MEASURES

EYES: Avoid contact with eyes. May cause eye irritation. If contact with eyes occurs flush with water for 15 minutes and call a physician.

SKIN: May cause skin irritation, call a physician.

INGESTION: Ingestion: Can cause gastrointestinal irritation, vomiting, nausea, diarrhea, and in severe cases, collapse, unconsciousness and possibly death.

INHALATION: Inhalation: Possible dizziness, breathing difficulty, headaches & loss of coordination.

5. FIRE FIGHTING MEASURES

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

UNSUITABLE EXTINGUISHING MEDIA: No data for available for this product

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTION FOR FIRE FIGHTERS: Respiratory equipment should be worn to avoid inhalation of concentrated vapors. No other special precautions or procedures are required.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: For small spills, flush with water to drain. For large spills, provide good ventilation, dike spill area and add absorbent to liquid. Place in suitable container and dispose of in accordance with local, state and federal regulations.

LARGE SPILL: For large spills, provide good ventilation, dike spill area and add absorbent to liquid. Place in suitable container and dispose of in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: 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, nausea, & diarrhea

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES: Use under normal atmospheric conditions in well-ventilated areas. Keep containers closed when not in use. Keep away from children.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

EXPOSURE LIMITS: Not Determined

PERSONAL PROTECTIVE EQUIPMENT

EYES PROTECTION: Use chemical safety glasses, goggles, or face shields for eye protection.

SKIN PROTECTON: Impermeable chemical handling gloves for skin protection.

RESPIRATORY PROTECTION: When spraying this material at pressures greater than 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Clear Orange Liquid with a Butyl Odor

FLASH POINT: None

FLASH METHOD: TCC

BOILING POINT: Not Determined

MELTING POINT: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: YES

SPECIFIC GRAVITY: 1.0225

PH: 12.5

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID): STABLE

MATERIALS TO AVOID: Incompatible or can react with acid and strong oxidizers.

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

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation

SKIN: May cause skin irritation

INGESTION: May be harmful if swallowed

INHALATION: May cause respiratory irritation

CHRONIC & CARCINOGENICITY: IARC, NTP, OSHA do not list this product or its ingredients as carcinogens

MUTAGENICITY: No data

REPRODUCTIVE TOXITY

REPRODUCTIVE EFFECTS: No data

TERATOGENIC EFFECTS: No data

GENERAL COMMENTS: None identified.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL OTHER INFORMATION: Readily biodegradable

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

TRANSPORTATION: NON-DOT Regulated

15. REGULATORY INFORMATION

(Not meant to be all inclusive - selected regulations represented)

U.S. FEDERAL REGULATIONS : There is no calculable reportable quantity (RQ) for this product

OSHA : SDS is prepared pursuant to the Communication Standard (CRF29 1900.1200) and Canadian WHMIS regulations (Control Products Regulations under the Hazardous Product Act)

CERCLA: SARA HAZARD CATEGORY: Section 302 extremely hazardous substance None
Section 311 hazardous chemical none

16. OTHER INFORMATION

HMIS RATING	
Health :	1
Flammability :	0
Reactivity :	0
Personal Protection :	B

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MSDS STATUS: Current

APPROVED BY: Tyrone Davis

TITLE: Regulatory / Safety Manager

MANUFACTURER 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.