

MATERIAL SAFETY DATA SHEET

SECTION I

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| PRODUCT NAME OR NUMBER (as it appears on label) YUMATE SC-870C | DATE March, 2003 |
| MANUFACTURER'S NAME YUMA INDUSTRIES INCORPORATED | EMERGENCY PHONE # YUMA 317-398-9862 CHEMTREC 800-424-9300 |
| ADDRESS (Number, Street, City, State, & Zip Code) 783 W. Mausoleum Road, Shelbyville, IN 46176 – 9720 | |
| HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZ. CLASS, HAZ. ID # None | |
| ADDITIONAL HAZARD CLASSES (as applicable) None | |
| CHEMICAL FAMILY Water Miscible Cutting & Grinding Fluid Concentrate | FORMULA See Section II |

SECTION II – INGREDIENTS

| CAS REGISTRY# | Wt. % | CHEMICAL NAME | Listed as a carcinogen in NTP, IARC, or OSHA 1910 (specify) |
|---|-------|---|---|
| 102-71-6 | 10-19 | Triethanolamine ACGIH(TLV): TWA=5mg/m ³ | Not listed |
| 141-43-5 | 1-9 | Monoethanolamine ACGIH(TLV): TWA=3ppm, STEL=6mg/m ³ OSHA PEL : TWA=3ppm, STEL=6mg/m ³ | Not listed |
| Balance classified as non-hazardous Ingredients | | | |

SECTION III – PHYSICAL DATA

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| BOILING POINT Not available | SPECIFIC GRAVITY (H ₂ O=1) @20°C 1.07 | ODOR THRESHOLD (ppm) Not available |
| VAPOR PRESSURE Not available | PERCENT VOLATILE (Vol.%) Not available | PERCENT SOLID (Wt.%) Not available |
| VAPOR DENSITY Not available | EVAPORATION RATE Not available | FREEZING POINT (°C) Not available |
| SOLUBILITY IN WATER 100% | pH (10% solution) 8.5 | MATERIAL IS Liquid |
| APPEARANCE & ODOR Fluorescent with mild odor | VOLATILE ORGANIC COMPOUNDS (VOC) Not available | |

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

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| FLASH POINT none | METHOD USED | FLAMMABLE LIMITS LEL/UEL Not available | AUTO-IGNITION TEMPERATURE (°C) Not available |
| EXTINGUISHING MEDIA As appropriate for surrounding fire | | | |
| SPECIAL FIRE FIGHTING PROCEDURES None | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS None | | | |

SECTION V – HEALTH HAZARD DATA

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| THRESHOLD LIMIT VALUE See Section II | | |
| EFFECTS OF OVEREXPOSURE – Conditions to avoid Transient eye irritation. Possible skin defatting and subsequent irritation on repeated or prolonged contact. | | |
| PRIMARY ROUTES OF ENTRY | Inhalation: Skin Contact: X | Eye Contact: Ingestion: |
| EMERGENCY AND FIRST AID PROCEDURES EYES: Flush with cool, clean water for at least 15 minutes. SKIN: Wash with soap and warm water. INHALATION: Remove to fresh air. INGESTION: If large quantities are ingested, pump stomach. In every case get medical attention as required. | | |
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SECTION VI – REACTIVITY DATA

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| STABILITY: UNSTABLE: STABLE : X | HAZARDOUS POLYMERIZATION | MAY OCCUR: WILL NOT OCCUR: X |
| CONDITIONS TO AVOID None | | |
| INCOMPATIBILITY (MATERIALS TO AVOID) Avoid strong oxidizing agents, strong acids and nitrites. | | |
| HAZARDOUS DECOMPOSITION PRODUCTS Thermal decomposition may produce CO, CO ₂ , NO _x and SO _x . | | |

SECTION VII – SPILL OR LEAK PROCEDURES

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| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Mop up or use dry absorbent. |
| WASTE DISPOSAL METHOD Acid – Alum split Dispose in accordance with local, state and federal regulations. |

SECTION VIII – SPECIAL PROTECTION INFORMATION

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| RESPIRATORY PROTECTION (Specify type) None | |
| VENTILATION Local exhaust (Specify rate): Not normally required. Special: None Mechanical (general) (Specify rate): General room ventilation should be sufficient. Other: None | |
| PROTECTIVE GLOVES (Specify type) None | EYE PROTECTION (Specify type) Safety glasses |
| OTHER PROTECTIVE EQUIPMENT None | |

SECTION IX – SPECIAL PRECAUTIONS

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| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Keep container closed. Wash thoroughly after handling. |
| OTHER PRECAUTIONS None |