

Before using product, read and follow directions and precautions on product label.



MATERIAL SAFETY DATA SHEET

ADDRESS:
Muscle Products Corp.
752 Kilgore Road
Jackson Center, PA 16133
U.S.A.

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|----------------------------------|--|--|--|--|---|
| PRODUCT IDENTIFICATION | PRODUCT NAME: Muscle-Cut 3-in-1 Cutting Oil | | | EMERGENCY PHONE NO(S): CHEMTREC 24-HOURS 800-424-9300 OR 703-527-3887 | |
| | CHEMICAL NAME: Lubricating Oil | | | | |
| | SYNONYMS: Cutting Oil | | | CHEMICAL FAMILY: Hydrocarbon | |
| INGREDIENTS | MATERIALS OR COMPONENTS | | % W | CAS NUMBER | CARCINOGEN OSHA OR IARC |
| | Mineral oil | | 94-96 | 64742-64-0 | No |
| | Alkyl phosphite, alkanolamine ester, polymer | | < 5.0 | 141808-04-0 | No |
| | Polyisobutylene | | < 1.0 | 9003-27-4 | No |
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| SHIPPING INFORMATION | Not Restricted Classification: Lubricating Oil, Class 65 Hazard Class: Nonhazardous Packing Group: NA | | | | |
| PHYSICAL PROPERTIES | BOILING POINT/RANGE UNDILUTED °C < 700 °F | | MELTING POINT NA °C °F | | FREEZING POINT °C +5 °F |
| | SPECIFIC GRAVITY (H ₂ O = 1) 0.89 @ 16 °C | | VAPOR PRESSURE (mm Hg) NA °C °F | | MOLECULAR WEIGHT (CALCULATED) NA |
| | SOLUBILITY IN H ₂ O Nil | | % VOLATILES BY VOLUME 0 | | VAPOR DENSITY (AIR = 1) NA |
| | APPEARANCE & ODOR Fluid oil, bland | | | EVAPORATION RATE NA <input type="checkbox"/> Ether = 1 <input type="checkbox"/> Water = 1 <input type="checkbox"/> Butyl acetate = 1 OTHER | |
| FIRE & EXPLOSION DATA | FLASH POINT UNDILUTED & TEST METHOD °C 390 °F D-92 | | FLAMMABLE LIMITS LOWER NA% UPPER % | | AUTOIGNITION/FIREPOINT UNDILUTED °C > 430 °F |
| | EXTINGUISHING MEDIA <input type="checkbox"/> Water Spray <input checked="" type="checkbox"/> Water fog <input type="checkbox"/> Water stream <input checked="" type="checkbox"/> CO ₂ <input checked="" type="checkbox"/> Dry chemical <input type="checkbox"/> Alcohol foam <input checked="" type="checkbox"/> Foam <input checked="" type="checkbox"/> Earth or sand | | | | |
| | SPECIAL FIRE FIGHTING PROCEDURES <input type="checkbox"/> Do not enter building <input type="checkbox"/> Allow fire to burn <input checked="" type="checkbox"/> Water may cause frothing <input type="checkbox"/> Do not use water <input type="checkbox"/> Other (specify): | | | | |
| | UNUSUAL FIRE & EXPLOSION HAZARDS <input type="checkbox"/> Dust explosion hazard <input type="checkbox"/> Sensitive to shock <input type="checkbox"/> Contamination <input type="checkbox"/> Temperature <input type="checkbox"/> Other (specify): None | | | | |
| REACTIVITY DATA | STABILITY <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable | | CONDITIONS CONTRIBUTING TO INSTABILITY <input type="checkbox"/> Thermal decomposition <input type="checkbox"/> Photo degradation <input type="checkbox"/> Polymerization <input type="checkbox"/> Contamination | | |
| | INCOMPATIBILITY – Avoid contact with <input type="checkbox"/> Strong acids <input type="checkbox"/> Strong alkalis <input checked="" type="checkbox"/> Strong oxidizers <input type="checkbox"/> Other (specify): | | | | |
| | HAZARDOUS DECOMPOSITION PRODUCTS – THERMAL AND OTHER (list) CO & CO ₂ if incomplete combustion. | | | | |
| | CONDITIONS TO AVOID <input type="checkbox"/> Heat <input checked="" type="checkbox"/> Open flames <input type="checkbox"/> Sparks <input type="checkbox"/> Ignition sources <input type="checkbox"/> Other (specify): | | | | |

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| SPECIAL PROTECTION INFORMATION | VENTILATION REQUIREMENTS – Always maintain exposure below permissible exposure limits <input type="checkbox"/> Consult an industrial hygienist or environmental health specialist <input type="checkbox"/> Local exhaust <input checked="" type="checkbox"/> Use with adequate ventilation <input type="checkbox"/> Check for air contamination & oxygen deficiency <input type="checkbox"/> Other (specify): | | | |
| | EYE <input checked="" type="checkbox"/> Safety glasses <input type="checkbox"/> Face shield <input type="checkbox"/> Goggles <input type="checkbox"/> Other: | HAND (Glove Type) <input type="checkbox"/> Polyvinyl chloride <input checked="" type="checkbox"/> Neoprene <input type="checkbox"/> Butyl rubber <input type="checkbox"/> Polyvinyl alcohol <input type="checkbox"/> Natural rubber <input checked="" type="checkbox"/> Polyethylene <input type="checkbox"/> Other (specify): | | |
| | RESPIRATOR TYPE – Use only NIOSH/MESA approved equipment <input type="checkbox"/> Self-contained <input type="checkbox"/> Supplied air <input type="checkbox"/> Can or cartridge gas or vapor <input checked="" type="checkbox"/> Filter-dust, fume, mist <input type="checkbox"/> Other (specify): | | | |
| | OTHER PROTECTIVE EQUIPMENT <input type="checkbox"/> Rubber boots <input checked="" type="checkbox"/> Apron <input type="checkbox"/> Other (specify): | | | |
| SPECIAL PRECAUTIONS | PRECAUTIONARY NOTES <input checked="" type="checkbox"/> Wash thoroughly after handling <input checked="" type="checkbox"/> Do not get in eyes or on clothing <input checked="" type="checkbox"/> Do not breathe dust, vapor, mist, gas <input checked="" type="checkbox"/> Keep container closed <input checked="" type="checkbox"/> Keep away from sparks & open flames <input type="checkbox"/> Store in tightly closed containers <input type="checkbox"/> Do not store near combustibles <input type="checkbox"/> Keep from contact with clothing & other combustible materials <input type="checkbox"/> Empty container may contain hazardous residues <input type="checkbox"/> Use explosion-proof equipment <input type="checkbox"/> Other (specify): | | | |
| | OTHER HANDLING AND STORAGE CONDITIONS None | | | |
| PREPARED BY: Amy Dent | | DATE: 8-30-05 | REV. NO. 1 | PHONE: 814-786-0166 |
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