

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-800/8001-79-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

8001-79-4

**Code:**

M

**RTECS:**

F14100000

**Code:**

M

**Name:**

CASTOR OIL

**Other REC Limits:**

NONE SPECIFIED

**OSHA PEL:**

NOT ESTABLISHED

**Code:**

M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

NOT ESTABLISHED

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

NON REQUIRED UNDER NORMAL CONDITIONS. IF HIGH VAPOR OR MIST CONCENTRATIONS EXPECTED, USE NIOSH-APPROVED RESPIRATOR FOR ORGANIC VAPORS AND MISTS.

**Ventilation:**

MECHANICAL VENTILATION/LOCAL EXHAUST

**Protective Gloves:**

IMPERVIOUS

**Eye Protection:**

CHEMICAL SPLASH GOGGLES/SAFETY GOGGLES

**Other Protective Equipment:**

Equipment 3 EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

**Work Hygienic Practices:**

OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

**Supplemental Safety and Health:**

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE P/N A UNDER THE SAME NSN.

## Health Hazards Data

**LD50/LC50 Mixture:**

LD50 (ORAL RAT) IS > 5000 MG/KG

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

ACUTE-EYE: MAY CAUSE IRRITATION. SKIN: PROLONGED/REPEATED CONTACT MAY CAUSE IRRITATION & DERMATITIS. INHALED: VAPORS/OIL MISTS MAY BE MILDLY IRRITATING TO THE NOSE, THROAT & RESPIRATORY TRACT. ORAL: EXPECTED TO HAVE A LOW ORDER OF TOXICITY, BUT MINUTE AMOUNTS ASPIRATED INTO THE LUNGS MAY CAUSE LUNG INJURY. CHRONIC-DERMATITIS.

**Explanation Of Carcinogenicity:**

N/P

**Signs And Symptoms Of Overexposure:**

MAY IRRITATE EYES. PROLONGED/REPEATED SKIN CONTACT MAY CAUSE IRRITATION & DERMATITIS. VAPORS/OIL MISTS MAY BE MILDLY IRRITATING. EXPECTED TO HAVE A LOW ORDER OF ORAL TOXICITY, BUT MINUTE AMOUNTS ASPIRATED INTO THE LUNGS MAY CAUSE LUNG INJURY. IF GREASE IS INJECTED THROUGH THE SKIN, CAN CAUSE SERIOUS TISSUE DAMAGE.

**Medical Cond Aggravated By Exposure:**

PERSONS WITH PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

**First Aid:**

GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED: REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES: FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN: WASH WITH SOAP & WATER. ORAL: DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY.

**Spill Release Procedures:**

WEAR PROTECTIVE EQUIPMENTS. VENTILATE AREA. S LEAK. CONTAIN LARGE SPILL. PUMP IT TO TRUCK. SOAK UP RESIDUE/SMALL SPILLS WITH CLAY/SAND. TRANSFER TO PROPER CONTAINER FOR DISPOSAL. FLUSH AREA WITH WATER. REPORT SPILLS AS REQUIRED.

**Neutralizing Agent:**

N/R

**Waste Disposal Methods:**

DISPOSE OF IN COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. RCRA EMERGENCY NUMBER: 800-424-9346.

**Handling And Storage Precautions:**

STORAGE-STORE IN COOL PLACE. KEEP AWAY FROM HEAT, FLAME & STRONG OXIDANTS.

**Other Precautions:**

EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE WHICH COULD INCLUDE FLAMMABLE OR EXPLOSIVE VAPORS. CONSULT APPROPRIATE FEDERAL, STATE & LOCAL AUTHORITIES BEFORE REUSING, RECONDITIONING, RECLAMING, RECYCLING / DISPOSING OF EMPTY CONTAINERS.

## Fire and Explosion Hazard Information

**Flash Point Method:**

COC

**Flash Point:**

**Flash Point Text:**

399F, 204C

**Autoignition Temp:**

>500F

**Lower Limits:**

0.9

**Upper Limits:**

7

**Extinguishing Media:**

WATER SPRAY, CO2, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.

**Fire Fighting Procedures:**

WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

**Unusual Fire/Explosion Hazard:**

FUMES, SMOKE, CARBON MONOXIDE, ALDEHYDES AND OTHER DECOMPOSITION PRODUCTS, IN THE CASE OF INCOMPLETE COMBUSTION.

## Physical/Chemical Properties

**HCC:**

V6

**NRC/State LIC No:**

N/R

**Net Prop WT For Ammo:**

N/R

**Boiling Point:**

555F, 291C

**Melt/Freeze Pt:**

N/R

**Decomp Temp:**

50.0F, 10.0C

**Decom Text:**

UNKNOWN

**<0.01 Pres:**

<0.01

**Vapor Density:**

>5

**Volatile Org Content %:**

>50%

**Spec Gravity:**

0.87

**VOC Pounds/Gallon:**

N/R

**PH: N/R:**

N/R

**Viscosity:**

45 SUS @ 210F

**Evaporation Rate & Reference:**

NEGLIGIBLE

**Appearance and Odor:**

OIL

**Percent Volatiles by Volume:**

NEGLIG

**Corrosion Rate:**

UNKNOWN

**Other Information:**

NO

**Conditions To Avoid Polymerization:**

N/R

**Other Information:**

N/R

## Toxicological Information

**Information:** N/P

## MSDS Transport Information

**Information:** N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:** N/P

**Other Information:**