

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-141/141-24-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
141-24-2
Code:
M

RTECS:

Code:
X

Name:
CASTOR OIL; (DEGUMMED CASTOR OIL)

Other REC Limits:
N/K

OSHA PEL:
N/K (FP N)
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
N/K (FP N)
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
NONE NEEDED. USE NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

Ventilation:
NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:
IMPERVIOUS GLOVES (FP N).

Eye Protection:
ANSI APPRVD CHEM WORKERS GOGGS (FP N).

Other Protective Equipment:
Equipment EMERGENCY EYEWASH &DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N).

Work Hygienic Practices:
WASH HANDS AND EXPOSED SKIN AFTER CONTACT. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:
EVAPORATION RATE: 5.3 (BUTYL ACETATE=1) (SLOWER THAN XYLENE).

Health Hazards Data

LD50LC50Mixture:
NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:
NO

Skin:
NO

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE: PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE MILD SKIN IRRITATION. CHRONIC: NONE SPECIFIED BY MANUFACTURER.

Explanation Of Carcinogenicity:
2 NOT RELEVANT.

Signs And Symptions Of Overexposure:
SEE HEALTH HAZARDS.

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER.

First Aid:
SKIN: WASH THOROUGHLY WITH SOAP AND WARM WATER. EYES: FLUSH WITH CLEAR WATER FOR AT LEAST 15 MINUTES OR UNTIL IRRITATION SUBSIDES. INHALATION: REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE OXYGEN OR AR TIFICIAL RESPIRATION) (FP N). INGESTION: CALL MD IMMEDIATELY (FP N).

Spill Release Procedures:
RECOVER FREE LIQUID. ADD ABSORBENT (SAND, EARTH, SAWDUST, ETC) TO SPILL AREA.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
ASSURE CONFORMITY WITH APPLICABLE REGULATIONS. DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS (FP N).

Handling And Storage Precautions:
KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT HANDLE OR STORE NEAR HEAT, SPARKS OR FLAME. KEEP AWAY FROM PETS AND CHILDREN.

Other Precautions:
AVOID PROLONGED OR REPEATED CONTACT WITH SKIN.

Fire and Explosion Hazard Information

Flash Point Method:
COC

Flash Point:

Flash Point Text:
164F,73C

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
USE FOAM, DRY CHEMICAL, CARBON DIOXIDE OR WATER FOG OR SPRAY.

Fire Fighting Procedures:
WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). COOL EXPOSED CONTAINERS WITH WATER SPRAY. MINIMIZE BREATHING VAPOR OR FUMES.

Unusual Fire/Explosion Hazard:
DO NOT MIX OR STORE WITH STRONG OXIDANTS SUCH AS LIQUID CHLORINE OR CONCENTRATED OXYGEN.

Physical/Chemical Properties

HCC:
V4

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
365F,185C

Melt/Freeze Pt:

M.P/F.P Text:
N/A

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
N/A

Vapor Density:
HVR/AIR

Volatile Org Content %:

Spec Gravity:
1.214 (H*20=1)

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
SUP DAT

Solubility in Water:
NEGILIGIBLE

Appearance and Odor:
LIGHT YELLOW/BROWN LIQUID, WITH MILD ODOR

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:
STRONG OXIDANTS LIKE LIQUID CHLORINE, CONCENTRATED OXYGEN.

Hazardous Decomposition Products:
FUMES, SMOKE, CARBON MONOXIDE, AND SULFUR OXIDES IN THE CASE OF INCOMPLETE COMBUSTION. 4

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT RELEVANT.

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