

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-689/68937-41-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
68937-41-7
Code:
T

RTECS:

Code:
X

Name:
PHENOL, ISOPROPYLATED, PHOSPHATE % low Wt: 0.

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
NOT ESTABLISHED

Code:
M

OSHA STEL:
N/P

Code:

ACGIH TLV:
NOT ESTABLISHED

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
USE COMBINATION P- OR R- SERIES PARTICULATE FILTER AND ORGANIC VAPOR NIOSH-CERTIFIED RESPIRATORY PROTECTIVE EQUIPMENT WHEN VAPOR/ MIST EXCEEDS APPLICABLE EXPOSURE LIMITS. DO NOT USE N-RATED RESPIRATOR . SELECTION OF RESPIRATORY PROTECTIVE EQUIPMENT SHOULD BE IN ACCORDANCE IN USA WITH OSHA STANDARD 29CFR 1910.134; IN CANADA WITH CSA STANDARD Z94.4.

Ventilation:
WHERE ADEQUATE GENERAL VENTILATION IS UNAVAILABLE, USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO CONTROL EXPOSURE LEVELS.

Protective Gloves:
WHERE SKIN CONTACT IS LIKELY, WEAR NEOPRENE, NITRILE, OR EQUIVALENT GLOVES.

Eye Protection:
WHERE EYE CONTACT IS LIKELY, WEAR SAFETY GLASSES; CONTACT LENS,NOT RECOMMENDED.

Other Protective Equipment:
Equipment WHERE PRODUCT IS HEATED,WEAR HEAT-INSULATING GLOVES, BOOTS. WHERE SPILLS AND SPLASHES ARE LIKELY, WEAR FACESHIELD, BOOTS, APRON, COVERALLS, LONG SLEEVE SHIRTS. PROVIDE EYEWASH STATION AND SAFETY SHOWER. 7

Work Hygienic Practices:
USE GOOD PERSONAL HYGIENE. WASH WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE. DISCARD SATURATED LEATHER ARTICLES, SUCH AS SHOES.

Supplemental Safety and Health:
CHRONIC HEALTH EFFECTS: PROLONGED OR REPEATED: INHALATION OF OIL MIST MAY CAUSE OIL PNEUMONIA, LUNG TISSUE INFLAMMATION, AND/OR FIBROUS TISSUE FORMATION; EYE CONTACT MAY CAUSE CONJUNCTIVITIS; SKIN CONTACT MAY CAUSE DERMATITIS; EXPOSURE MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS INCOORDINATION AND TREMORS.

Health Hazards Data

LD50LC50Mixture:
ORAL RAT LD50: >5000 MG/KG

Route Of Entry Inds - Inhalation:
N/P

Skin:
N/P

Ingestion:
N/P

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE: EYES: MAY CAUSE IRRITATION. SKIN: MAY CAUSE IRRITATION. NOT LIKELY TO BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS. INHALATION: PRODUCT NOT LIKELY TO PRESENT AN INHALATION HAZARD AT NORMAL T EMPERATURES AND PRESSURES. HOWEVER, WHEN AEROSOLIZING, MISTING, OR HEATING THESE PRODUCTS, HIGH CONCENTRATIONS OF GENERATED VAPOR OR MIST MAY IRRIATE THE RESPIRATORY TRACT (NOSE, THROAT, AND LUNGS). IN GESTION: MAY CAUSE THROAT IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. BREATHING PRODUCT INT

Explanation Of Carcinogenicity:
NO KNOWN CARCINOGENICITY.

Signs And Symptions Of Overexposure:
EYES: IRRITATION, CONJUNCTIVITIS. SKIN: IRRITATION, DERMATITIS. INHALATION: IRRITATION OF RESPIRATORY TRACT (NOSE, THROAT, AND LUNGS), OIL PNEUMONIA, LUNG TISSUE INFLAMATION, FIBROUS TISSUE FORMATION. INGESTION: THROAT IRRITATION, NAUSEA, VOMITING, DIARRHEA, LUNG INJURY, POSSIBLE DEATH. PROLONGED OR REPEATED EXPOSURE: CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS INCOORDINATION AND TREMORS. 5

Medical Cond Aggravated By Exposure:
INDIVIDUALS WITH PRE-EXISTING RESPIRATORY TRACT (NOSE, THROAT, LUNGS), EYE, AND/OR SKIN DISORDERS MAY HAVE INCREASED SUSCEPTIBILITY TO THE EFFECTS OF EXPOSURE.

First Aid:
EYES CONTACT: FLUSH WITH PLENTY OF WATER, HOLDING EYELIDS APART, FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IR RITATION DEVELOPS. IF INJECTED UNDER SKIN, TREAT AS MEDICAL EMERGENCY. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN BY QUALIFIED PE RSONNEL. GET MEDICAL ATTENTION. INGESTION: GET MEDICAL ATTENTION. DO NOT INDUCE VOMITTING. IF

Spill Release Procedures:
REMOVE IGNITION SOURCES. S LEAK. WEAR PROTECTIVE EQUIPMENT . VENTILATE AREA, AVOID BREATHING VAPOR, MIST. KEEP SPILL AWAY FROM SURFACE WATERS, SEWERS. CONTAIN SPILL FOR RECOVERY OR SORB WITH SORBENT . SHOVEL WITH CLEAN TOOL INTO A SEALABLE CONTAINER FOR DISPOSAL. DIKE AHEAD OF LARGE SPILL FOR COLLECTION AND DISPOSAL. REPORT SPILLS, LEAKS AS REQUIRED BY LOCAL, STATE, FEDERAL AGENCY.

Neutralizing Agent:
N/P

Waste Disposal Methods:
DISPOSE IN ACCORDANCE WITH FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. REGULATIONS MAY ALSO APPLY TO EMPTY CONTAINERS. THE RESPONSIBILITY FOR PROPER WASTW DISPOSAL LIES WITH THE OWNER OF THE WA STE. CONTACT SAFETY-KLEEN REGARDING RECYCLING OR PROPER DISPOSAL.

Handling And Storage Precautions:
KEEP AWAY FROM HEAT, SPARKS, FLAME. USE EXPLOSIVE-PROOF EQUIPMENT. WHEN TRANSFERRING PRODUCT, METAL CONTAINERS, TRUCKS, TANK CARS, SHOULD BE GROUNDED AND BONDED. WHEN MISTING, OR HEATING, DO NOT BREA THE VAPOR OR MIST. USE IN WELL VENTILATED AREA. AVOID CONTACT WITH EYES, SKIN, CLOTHING, AND SHOES.

Other Precautions:
USEPA WASTE CODE(S): THESE PRODUCTS, IF DISCARDED, ARE NOT EXPECTED TO BE A CHARACTERISTIC OR LISTED HAZARDOUS WASTE. IF RECYCLED IN THE USA, THEY MUST BE MANAGED IN ACCORDANCE WITH 40CFR PART 279. PR OCESSING, USE, OR CONTAMINATION BY THE USER MAY CHANGE THE WASTE CODE(S) APPLICABLE TO THE DISPOSAL OF THESE PRODUCTS.

Fire and Explosion Hazard Information

Flash Point Method:
COC 6

Flash Point:
=180.C, 356.F

Flash Point Text:

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/A

Upper Limits:
N/A

Extinguishing Media:
CARBON DOIXIDE, REGULAR FOAM, DRY CHEMICAL, WATER SPRAY, OR WATER FOG. WATER OR FOAM MAY CAUSE FROTHING.

Fire Fighting Procedures:
KEEP STORAGE CONTAINERS COOL WITH WATER SPRAY. A POSITIVE-PRESSURE, SELF-CONTAINED BREATHING APPARATUS (SCBA) AND FULL BODY PROTECTIVE EQUIPMENT ARE REQUIRED FOR FIRE EMERGENCIES.

Unusual Fire/Explosion Hazard:
HEATED CONTAINERS MAY RUPTURE."EMPTY" CONTAINERS MAY RETAIN RESIDUE AND CAN BE DANGEROUS.NOT SENSITIVE TO MECHANICAL IMPACT OR STATIC DISCHARGE.

Physical/Chemical Properties

HCC:
V6

NRC/State LIC No:
N/P

Net Prop WT For Ammo:

Boiling Point:
=246.1C, 475.F

B.P. Text:

Melt/Freeze Pt:
=-6.1C, 21.F

M.P/F.P Text:
POUR POINT

Decomp Temp:

Decomp Text:
N/P

Vapor Pres:
0.1MMHG@68F

Vapor Density:
N/A

Volatile Org Content %:
100

Spec Gravity:
~0.88

VOC Pounds/Gallon:

PH: N/A

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/A

Solubility in Water:
INSOLUBLE

Appearance and Odor:
LIQUID, AMBER, PETROLEUM ODOR.

Percent Volatiles by Volume:
N/P

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
AVOID HEAT,SPARKS, FLAME. PRODUCT MAY BURN, BUT DOES NOT IGNITE READILY. 8

Materials To Avoid:
OXIDIZING AGENTS

Hazardous Decomposition Products:
NONE UNDER NORMAL TEMPERATURES AND PRESSURES. DECOMPOSITION AND COMBUSTION MATERIALS MAY BE TOXIC. BURNING MAY PRODUCE CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/P

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