

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-900/9000-59-3.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
9000-59-3
Code:
M

RTECS:

Code:
X

Name:
REFINED DEWAXED BLEACHED SHELLAC

Other REC Limits:
NONE RECOMMENDED 3

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
USE NIOSH/MSHA APPROVED RESPIRATOR. AIR-SUPPLIED OR FILTERING TYPE WITH ORGANIC VAPOR CARTRIDGES ARE RECOMMENDED.

Ventilation:
LOCAL AND MECHANICAL EXHAUST RECOMMENDED. AVOID OPEN ELECTRICAL SOURCES NEAR PRODUCT VAPOR AREAS.

Protective Gloves:
NEOPRENE, NITRILE, OR POLYVINYL ALCOHOL

Eye Protection:
USE CHEMICAL SAFETY GOGGLES FACESHIELD

Other Protective Equipment:
Equipment EYE WASH STATION SAFETY SHOWER.

Work Hygienic Practices:
DO NOT TAKE INTERNALLY. AVOID SKIN CONTACT. WASH SKIN AFTER USING PRODUCT. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health:
WASH HANDS AND FACE AFTER USING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Health Hazards Data

LD50LC50Mixture:
ORAL LD50 (RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
HEALTH HAZARD-ACUTE:POISONOUS IF SWALLOWED. CAN AFFECT OPTIC NERVE RESULTING IN BLINDNESS. EXCESSIVE INHALATION CAUSES CENTRAL NERVOUS SYSTEM EFFECTS. CONTACT MAY CAUSE IRRITATION AND BURNING SENSATIO N. CHRONIC:REPEATED CONTACT CAUSES DERMATITIS. REPEATED INHALATION MAY CAUSE BIRTH DEFECTS.

Explanation Of Carcinogenicity:
THE COMPONENTS OF THIS PRODUCT HAVE NOT SHOWN ANY EVIDENCE OF BEING CARCINOGENIC.

Signs And Symptions Of Overexposure:
EYES:IRRITATION,INJURY. SKIN:IRRITATION, DRYING, CRACKING. INHALATION:DIZZINESS, HEADACHE, NAUSEA, VOMITING, STUPOR, LOSS OF CONSCIOUSNESS. INGESTION:GASTROINTESTINAL PAIN, DIZZINESS, HEADACHE, NAUSEA , VOMIT, OPTIC NERVE DAMAGE.

Medical Cond Aggravated By Exposure:
PERSONS WITH SKIN OR RESPIRATORY DISORDERS SHOULD USE CAUTION WHEN HANDLING OR USING THIS PRODUCT.

First Aid:
SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: REMOVE TO FRESH AIR & RESTORE BREATHING IF NECESSARY. GET MEDICAL ATTENTION. EYE : IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION: GIVE 2 GLASSES OF WATER. INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS. SEE DOCTOR. 4

Spill Release Procedures:
VENTILATE AREA. USE APPROPRIATE PROTECTIVE CLOTHING AND EQUIPMENT. ABSORB IN INERT MATERIAL, AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND SEAL. FLUSH AREA WITH PLENTY OF WATER.

Neutralizing Agent:
NOT APPLICABLE

Waste Disposal Methods:
WASTE MAY BE BURNED IN AN APPROVED INCINERATOR OR DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. THIS IS AN RCRA HAZARDOUS WASTE.

Handling And Storage Precautions:
KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN COOL, DRY PLACE. KEEP AWAY FROM HEAT SOURCES, OXIDIZERS AND ACIDS. GROUND ELECTRICAL EQUIPMENT.

Other Precautions:
NONE.

Fire and Explosion Hazard Information

Flash Point Method:
TCC

Flash Point:

Flash Point Text:
68.0F,20.0C

Autoignition Temp:

Autoignition Temp Text:
N/K

Lower Limits:
2

Upper Limits:
36

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

Fire Fighting Procedures:
WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.

Unusual Fire/Explosion Hazard:
5 CONTAINERS MAY BURST IN HEAT OF FIRE. VAPORS HEAVIER THAN AIR.CAN TRAVEL A LONG DISTANCE AND FLASHBACK. MATERIAL CAN BURN WITH LITTLE OR NO VISIBLE FLAME.

Physical/Chemical Properties

HCC:
F3

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
162F,72C

Melt/Freeze Pt:

M.P/F.P Text:
UNKNOWN

Decomp Temp:

Decomp Text:
UNKNOWN 6

Vapor Pres:
UNKNOWN

Vapor Density:
1.3

Volatile Org Content %:

Spec Gravity:
0.83

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
UNKNOWN

Evaporation Rate & Reference:
UNKNOWN

Solubility in Water:
NEGLEGIBLE

Appearance and Odor:
DARK BLUE COLORED LIQUID. ALCOHOL ODOR.

Percent Volatiles by Volume:
96

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HEAT, SPARKS, OPEN FLAMES, OTHER IGNITION SOURCES.

Materials To Avoid:
STRONG OXIDIZING AGENTS, STRONG ACIDS SUCH AS SULFURIC ACID, NITRIC ACID AND PERCHLORIC ACID.

Hazardous Decomposition Products:
CARBON MONOXIDE, CARBON DIOXIDE AND OTHER HYDROCARBON COMPOUNDS DURING COMBUSTION.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT APPLICABLE

Toxicological Information

Information:N/P

MSDS Transport Information

Information:N/P

Regulatory Information

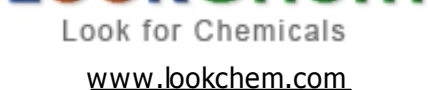
Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Other Information:N/P



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WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.