

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-900/9000-64-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

9000-64-0

Code:

M

RTECS:

Code:

X

Name:

TOLU BALSAM

Other REC Limits:

NONE RECOMMENDED

OSHA PEL:

NOT ESTABLISHED

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

NOT ESTABLISHED

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

5 NIOSH APPROVED RESPIRATOR OR LABORATORY FUME HOOD

Ventilation:

LABORATORY FUME HOOD OR LOCAL EXHAUST VENTILATION

Protective Gloves:

IMPERVIOUS GLOVES

Eye Protection:

CHEMICAL SPLASH GOGGLES

Other Protective Equipment:

Equipment IMPERVIOUS BODY COVERING TO PREVENT SKIN CONTACT.

Work Hygienic Practices:

WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health:

NONE SPECIFIED BY MANUFACTURER.

Health Hazards Data

LD50/LC50/Mixture:

NOT GIVEN FOR PRODUCT AS A WHOLE

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

INHALATION OR INGESTION OF LARGE VOLUMES MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT, DROWSINESS, NAUSEA, MUSCLE INCOORDINATION, VISUAL IMPAIRMENT, SLOWED REACTION TIME, SENSORY LOSS, SLURRING OF SPEECH, STUPOR, OR POSSIBLE COMA AND DEATH. EYE AND SKIN IRRITATION.

Explanation Of Carcinogenicity:

THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Signs And Symptoms Of Overexposure:

RESPIRATORY TRACT IRRITATION, DROWSINESS, NAUSEA, MUSCLE INCOORDINATION, VISUAL IMPAIRMENT, SLOWED REACTION TIME, SENSORY LOSS, SLURRING OF SPEECH, STUPOR, SKIN IRRITATION, EYE IRRITATION.

Medical Cond Aggravated By Exposure:

MAY AGGRAVATE PRE-EXISTING HYPERSENSITIVITY TO BENZOIN, TOLU OR STORAX. INGESTION OF LARGE VOLUMES MAY AGGRAVATE CIRRHOSIS OF THE LIVER, HYPERSENSITIVITY TO ALCOHOL, GASTROINTESTINAL ABNORMALITIES.

First Aid:

INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM AND QUIET. GET MEDICAL ATTENTION. SKIN: WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. CALL A PHYSICIAN OR POISON CONTROL CENTER.

Spill Release Procedures:

4 PREVENT FURTHER MIGRATION TO THE ENVIRONMENT. USE ABSORBENT/ADSORBENT MATERIAL TO SOLIDIFY LIQUIDS.

SOLIDIFICATION MAY NOT SUPPRESS VAPORS. VACUUMING LIQUIDS WHICH ARE FLAMMABLE CAN CREATE AN EXPLOSION HAZARD AND SHOULD BE AVOIDED.

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:

PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions:

KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE AWAY FROM POSSIBLE SOURCES OF IGNITION.

Other Precautions:

NONE SPECIFIED BY MANUFACTURER.

Fire and Explosion Hazard Information

Flash Point Method:

CC

Flash Point:

Flash Point Text:

55.0F,12.8C

Autoignition Temp:

Autoignition Temp Text:

N/A

Lower Limits:

3.3% ETHANOL

Upper Limits:

19% ETHANOL

Extinguishing Media:

WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM, HALON

Fire Fighting Procedures:

FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:

FLAMMABLE. FLASH POINT BELOW 100F.

Physical/Chemical Properties

FCC:

F2

N/P/State Lic No:

N/P

Net Wt For Ammo:

Boiling Point:

-79.3C, 173.F

B.P. Text:

M.P./F.P. Text:

N/P

Decomp Temp:

Decomp Text:

N/P

Vapor Pres:

NOT GIVEN

Vapor Density:

1.5

Volatile Org Content %:

0.87-0.885%

Spec Gravity:

0.87-0.885

VOC Pounds/Gallon:

6

PH:

N/K

VOC Grams/Liter:

N/K

Viscosity:

N/P

Evaporation Rate & Reference:

3.6 (NO REFERENCE GIVEN)

Solubility in Water:

PRACTICALLY INSOLUBLE

Appearance and Odor:

CLEAR, DARK REDDISH-BROWN, HYDROALCOHOLIC SOLUTION, ALCOHOLIC ODOR

Percent Volatiles by Volume:

N/K

Corrosion Rate:

UNKNOWN

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Unusual Fire/Explosion Hazard:

FLAMMABLE. FLASH POINT BELOW 100F.

Toxicological Information

Information:

N/P

Information:

N/P

Physical/Chemical Properties

Information:

N/P

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