MATERIAL SAFETY DATA SHEET For R&D use only. Not for drug, household or other uses. Click http://www.lookchem.com/cas-93/93-14-1.html for suppliers of this product.

Composition/Information on Ingredient

93-14-1 Code:

Μ **RTECS:** Code: Χ Name: **GUAIFENESIN**

Cas:

Supplemental Safety and Health:

Health Hazards Data

NONE

NO

Skin: YES

YES

IARC: NO

OSHA: NO 3

CARCINOGENS.

Ingestion:

LD50LC50Mixture:

THRESHOLD LIMIT VALUE: DA

Carcinogenicity Inds - NTP:

Health Hazards Acute And Chronic:

Explanation Of Carcinogenicity:

Signs And Symptions Of Overexposure:

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

ANY ADVERSE EFFECTS EXPERIENCED.

Spill Release Procedures:

Waste Disposal Methods:

Handling And Storage Precautions:

LIGHT. PROTECT FROM FREEZING.

Neutralizing Agent:

Other Precautions:

Flash Point Method:

CC

N/A

NA

NA

HCC: N1

N/R

NRC/State LIC No:

Boiling Point:

Melt/Freeze Pt:

M.P/F.P Text:

Decomp Temp:

Decomp Text:

Vapor Pres:

Vapor Density:

Spec Gravity:

VOC Pounds/Gallon:

VOC Grams/Liter:

Solubility in Water:

Corrosion Rate:

Stability Indicator:

Materials To Avoid:

Information:N/P

Information:N/P

Appearance and Odor:

Percent Volatiles by Volume:

Reactivity Data

Stability Condition To Avoid:

Hazardous Decomposition Products:

Hazardous Polymerization Indicator:

Conditions To Avoid Polymerization:

Toxicological Information

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Look for Chemicals

www.lookchem.com

Other Information:N/P

MSDS Transport Information

Evaporation Rate & Reference:

REDDISH BROWN, CLEAR SYRUP WITH CHERRYLIKE ODOR.

SEE "DRUG INTERACTIONS" IN THE PHYSICIANS DESK REFERENCE.

BURNING CAN PRODUCE HYDROGEN CHLORIDE, AND OXIDES OF CARBON AND NITROGEN.

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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

WARRANTY

terms and conditions of sale.

1.251

PH: NA

Viscosity:

N/P

100%

56%

YES

Volatile Org Content %:

NA

B.P. Text:

NA

Net Prop WT For Ammo:

Lower Limits:

Upper Limits:

Extinguishing Media:

Fire Fighting Procedures:

Unusual Fire/Explosion Hazard:

Flash Point:

Flash Point Text: 99.0F,37.2C

Autoignition Temp:

Autoignition Temp Text:

SUBSTANCE ACT OF 1970.

WATER.

SPILLS WOULDNOT BE EXPECTED TO CAUSE INJURY.

ABNORMALLYLOW BLOOD PRESSURE AND CARDIOVASCULAR COLLAPSE.

IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Fire and Explosion Hazard Information

WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL, OR ALCOHOL FOAM.

BROKEN GLASS HAZARD: HEAT OF FIRE MAY CAUSE BOTTLES TO BURST OR EXPLODE.

USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Physical/Chemical Properties

Route Of Entry Inds - Inhalation:

Other REC Limits: NONE RECOMMENDED **OSHA PEL:** NOT ESTABLISHED

Code: Μ **OSHA STEL:** Code:

ACGIH TLV: NOT ESTABLISHED Code: Μ **ACGIHSTEL:** Code:

Control Measures

Respiratory Protection:

DA

Ventilation: Protective Gloves: WEAR RESISTANT FOR SPILLS

Eye Protection: DA **Other Protective Equipment:** Equipment DA 5 **Work Hygienic Practices:**

INGESTION-CONSULT THE "PHYSICIANS DESK REFERENCE" FOR PRODUCT USAGE INFORMATION & WARNINGS. EYES-MAY CAUSE MINOR IRRITATION. SKIN-PROLONGED CONTACT MAY CAUSE SLIGHT IRRITATION. EXPOSURE TO AMOUNTS INC IDENTAL TO NORMAL USAGE OR

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

INGESTION-ITCHY SKIN, NAUSEA, VOMITING, CONSTIPATION, DIFFICULT, PAINFUL URINATION, RESTLESSNESS, INSOMNIA, DIZZINESS,

IF CONTACT IS MADE WITH LIQUID, WASH OFF WITH SOAP AND WATER. EYES FLUSH WITH WATER. INGESTION: SEE A PHYSICIAN IF

MOP UP OR WEAR WATER RESISTANT GLOVES TO WIPE UP AND PUT INTO PROPER WASTE CONTAINER. WASH AREA WITH SOAP AND

IN THE EVENT OF SPILLAGE DUE TO BROKEN BOTTLES, AVOID BROKEN GLASS. STORAGE: KEEP TIGHTLY CLOSED. AVOID EXCESS HEAT &

4 WARNING: CODEINE PHOSPHATE, A NARCOTIC, MAY BE HABIT FORMING. IT IS SUBJECT TO THE PREVISIONS OF THE CONTROLLED

IRREGULAR HEART BEAT, WEAKNESS, SEDATION, RESPIRATORY DIFFICULTY, CNS DEPRESSION, HALLUCINATION, CONVULSIONS,