

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-901/9014-90-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
9014-90-8
Code:
M

RTECS:
TR1583700
Code:
T

Name:
SODIUM ALKYL PHENOXY ETHER SULFATE % low Wt: 1.

Other REC Limits:
N/P

OSHA PEL:
SEE 1910.1028
Code:
T

OSHA STEL:
N/P
Code:

ACGIH TLV:
32 MG/M3;10 PPM
Code:
T

ACGIHSTEL:
NOT ESTABLISHED
Code:
T 3

Control Measures

Respiratory Protection:
IF FORMALDEHYDE IS EMITTED AT LEVELS REQUIRING RESPIRATORY PROTECTION, WEAR: FULL FACEPIECE WITH CARTRIDGES OR CANISTERS SPECIFICALLY APPROVED BY NIOSH FOR PROTECTION AGAINST FORMALDEHYDE OR TYPE C AI R-SUPPLIED RESPIRATOR DEMAND TYPE, WITH FULL FACEPIECE, HOOD, OR HELMET. OBSERVE OSHA STANDARD 29CFR 1910.134 AND 29CFR 1910.1048.

Ventilation:
GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS.

Protective Gloves:
WEAR NEOPRENE RUBBER, NITRILE RUBBER GLOVES. 6

Eye Protection:
WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES) AND FACE SHIELD.

Other Protective Equipment:
Equipment CHEMICAL PROTECTIVE CLOTHING MADE OF MATERIAL IMPERVIOUS TO FORMALDEHYDE AND USE OF OTHER PERSONAL PROTECTIVE EQUIP. EYE BATH, WASHING FACILITIES, SAFETY SHOWER.

Work Hygienic Practices:
NOT PROVIDED

Supplemental Safety and Health:
USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO MAINTAIN AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS. CONTD FROM PRODUCT ID: REPLENISHER/C-41.

Health Hazards Data

LD50LC50Mixture:
NOT PROVIDED

Route Of Entry Inds - Inhalation:
N/P

Skin:
N/P

Ingestion:
N/P

Carcinogenicity Inds - NTP:
YES

IARC:
YES

OSHA:
YES

Health Hazards Acute And Chronic:
INHALATION: FORMALDEHYDE AT HIGH CONCENTRATIONS MAY CAUSE SEVERE BURNING SENSATIONS OF NOSE, THROAT WITH COUGHING, CHEST CONSTRICTION, HEADACHE, BRONCHOPNEUMONIA, DYSPHAGIA, EDEMA, AND SPASMS. EYES: CAUSES BURNS. VAPOR IRRITATING. SKIN: CAUSES IRRITATION, ALLERGIC SKIN REACTION. INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE BURNS OF MOUTH, ESOPHAGUS, STOMACH. RETINAL AND KIDNEY DAMAGE MAY ALSO OCCUR . IMMEDIATE SEVERE ABDOMINAL PAIN OCCURS, OFTEN WITH VOMITING, NAUSEA, DIARRHEA, DIZZINESS, U

Explanation Of Carcinogenicity:
INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) (FORMALDEHYDE): 2A - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH) (FORMALDEHYDE): SUSPECTED HUMAN CARCINOGEN (A2) NATIONAL TOXI COLOGY PROGRAM (NTP) (FORMALDEHYDE): ANTICIPATED CARCINOGEN (2) - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) (FORMALDEHYDE): POTENTIAL CANCER HAZARD.

Signs And Symptions Of Overexposure:
INHALATION: FORMALDEHYDE AT HIGH CONCENTRATIONS MAY CAUSE SEVERE BURNING SENSATIONS OF NOSE, THROAT WITH COUGHING, CHEST CONSTRICTION, HEADACHE, EDEMA, AND SPASMS. EYES: CAUSES BURNS. VAPOR IRRITATING. SKIN: CAUSES IRRITATION, ALLERGIC SKIN REACTION. INGESTION: MAY CAUSE BURNS OF MOUTH, ESOPHAGUS, STOMACH. IMMEDIATE SEVERE ABDOMINAL PAIN OCCURS, OFTEN WITH VOMITING, NAUSEA, DIARRHEA, DIZZINESS, U NCONSCIOUSNESS OR COMA, CONVULSIONS, AND POSSIBLE DEATH.

Medical Cond Aggravated By Exposure:
EXPOSURE TO FORMALDEHYDE MAY CAUSE RESPIRATORY SENSITIZATION IN SOME INDIVIDUALS OR AGGRAVATE PRE-EXISTING ASTHMATIC CONDITIONS.

First Aid:
INHALATION: MOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 1 5 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING. IF SKIN IRRITATION/AN ALLERGIC SKIN REACTION DEVELOPS, GE T MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE. INGESTION: DO NOT INDUCE VOMI

Spill Release Procedures:
FLUSH TO SEWER WITH LARGE AMOUNT OF WATER. OTHERWISE, ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL C ONTAMINATION.

Neutralizing Agent:
NOT PROVIDED

Waste Disposal Methods:
DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE, OR LOCAL LAWS. FLUSH TO SEWER WITH LARGE AMOUNT OF WATER. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EV EN AFTER CONTAINER IS EMPTIED.

Handling And Storage Precautions:
KEEP CONTAINER CLOSED. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES (SEE INCOMPATIBILITY SECTION) KEEP FROM CONTACT WITH OXIDIZING MATERIALS. 5

Other Precautions:
DO NOT BREATHE VAPOR AT CONCENTRATIONS GREATER THAN THE EXPOSURE LIMITS. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

Fire and Explosion Hazard Information

Flash Point Method:
N/A

Flash Point:

Flash Point Text:
NONE

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/A

Upper Limits:
N/A

Extinguishing Media:
WATER SPRAY CARBON DIOXIDE (CO2), DRY CHEMICAL, ALCOHOL FOAM.

Fire Fighting Procedures:
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:
NONE.

Physical/Chemical Properties

HCC:
T7

NRC/State LIC No:
NOT RELEVANT

Net Prop WT For Ammo:

Boiling Point:
>100.C, 212.F

B.P. Text:

Melt/Freeze Pt:

M.P/F.P Text:
NOT PROVIDED

Decomp Temp:

Decomp Text:
NOT PROVIDED

Vapor Pres:
68F: 24MBAR (18 MMHG)

Vapor Density:
0.6

Volatile Org Content %:

Spec Gravity:
1.02

VOC Pounds/Gallon:

PH: 6.0

VOC Grams/Liter:

Viscosity:
NOT PROVIDED

Evaporation Rate & Reference:
NOT PROVIDED

Solubility in Water:
COMPLETE

Appearance and Odor:
LIQUID, COLORLESS, SLIGHT FORMALDEHYDE ODOR. 7

Percent Volatiles by Volume:
80-85 WT

Corrosion Rate:
NOT PROVIDED

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NOT PROVIDED

Materials To Avoid:
STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG BASES, METAL SALTS, HYDROXIDES.

Hazardous Decomposition Products:
CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN, FORMALDEHYDE.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NONE

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