MATERIAL SAFETY DATA SHEET

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

Click http://www.lookchem.com/cas-617/61790-33-8.html for suppliers of this product.

Composition/Information on Ingredient

Cas:
61790-33-8
Code:
M

RTECS:

Code:
X

Name:
TALLOWALKYLAMINES % low Wt: 0. Code: M % hig

Other REC Limits:
N/P

OSHA PEL:
N/P
Code:

OSHA STEL:
N/P
Code:

ACGIH TLV:
N/P
Code:

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
USE OF RESP PROT GEN IS NOT REQUIRED. HOWEVER, IF USE CNDITNS (E.G., ELEVATED TEMPS) GENERATE VAPS, AEROSOLS/FUMES, USE NIOSH APPRVD ORG VAP RESP W/DUST, MIST, & FUME FILTERS TO REDUCE POTENTIAL FOR IN HAL EXPOS. WHERE EXPOS POTENTIAL NECESSITATES HIGHER LEVEL OF PROT, USE NIOSH APPRVD, POS-PRESS, PRESS-DEMAND, AIR-SUPPLIED RESP. (SARA REGS)

Ventilation:
SPECIAL VENT IS USUALLY NOT REQUIRED UNDER NORM USE CONDITIONS. GEN PLANT VENT SHOULD BE ADEQUATE IN MOST CASES. USE LOCAL EXHAUST AT ELEVATED TEMPS (>200C). 5

Protective Gloves:
IMPERVIOUS GLOVES (NEOPRENE OR NITRILE RUBBER RECOMMENDED).

Eye Protection:
ANSI APPROVED CHEMICAL WORKERS GOGGLES AND FULL LENGTH FACESHIELD (FP N).

Other Protective Equipment:
Equipment EYEWASH DELUGE SHOWER MTG ANSI DESIGN CRITERIA (FP N). SKIN CONT MUST BE PREVENTED THRU USE OF IMPERVIOUS CLTHG FOOTWEAR SELECTED W/REGARD FOR USE CNDTN EXPOS POTENTIAL. NEOPRENE/NITRILE RUBBER REC.

Work Hygienic Practices:
WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health:
FIRST AID PROC: TAKE CARE NOT TO CONTAM VICTIM'S HEALTHY SKIN & EYES. IMMED FLUSH EYES W/LGE QTYS OF RUNNING WATER FOR AT LEAST 15 MINS. HOLD EYELIDS APART DURING FLUSHING TO ENSURE RINSING OF ENTIRE SURF OF EYE & LIDS W/WATER. DO NOT LET VICTIM RUB EYES. DO NOT ATTEMPT TO NEUT W/CHEM AGENTS. (OTHER INF'O)

Health Hazards Data

LD50/LC50Mixture:
LD50 (ORAL RAT): APPROX 1350 MG/KG.

Route Of Entry Inds - Inhalation:
NO

Skin:
YES

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE: INHALATION: DUE TO ITS LOW VAPOR PRESSURE, THS PRODUCT IS NOT LIKELY TO PRESENT AN INHALATION HAZARD AT NORMAL TEMPERATURES. AT ELEVATED TEMPERATURES, VAPORS &/OR FUMES MAY CAUSE IRRITATION OF RESPIRATORY TRACT. SKIN: CONTACT CAN CAUSE SEVERE IRRITATION/BURNS W/REDNESS, SWELLING, & BLISTERING. PROLONGED/REPEATED CONTACT MAY CAUSE ALLERGIC SKIN REACTION IN SENSITIVE INDIVIDUALS. INGESTION: CAN CAUSE SEVERE IRRITATION/BURNS OF MOUTH, THROAT, ESOPHAGUS, & STOMACH. CHRONIC: INHALATION

Explanation Of Carcinogenicity:
N/P

Signs And Symptoms Of Overexposure:
HEALTH HAZARDS: BECAUSE OF ITS LOW VAPOR PRESS, SIGNIFICANT AMOUNTS OF AIRBORNE VAPORS ARE NOT EXPECTED AT NORMAL ROOM TEMPS. HOWEVER, USE AT ELEVATED TEMPS MAY GENERATE VAPORS WHICH ARE IRRITATING TO RESPIRATORY TRACT. SKIN: CHRONIC DERMALEXPS EFFECTS ARE NOT KNOWN. HOWEVER, CONTACT CAN CAUSE SEVERE IRRITATION/BURNS W/REDNESS, SWELLING, & BLISTERING. PROLONGED/REPEATED CONT MAY CAUSE ALLERGIC SK IN REACTION IN SENSITIVE INDIVIDUALS. EYES: SEVERELY IRRITATING & CORROSIVE TO EYES. INGESTI

Medical Cond Aggravated By Exposure:
THERE ARE NO DATA AVAILABLE THAT ADDRESS MEDICAL CONDITIONS THAT ARE GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

First Aid:
INHAL: UNLIKELY; HOWEVER, IF IT DOES OCCUR, REMOVE TO FRESH AIR. IF NOT BRTHG, GIVE ARTF RESP. IF BRTHG IS DFCLT, ADMIN OXYGEN. GET MED ATTN. SKIN: IMMED REMOVE CONTAM CLTHG & SHOES. REMOVE MATL FROM SKIN BY PATTING/BLOTTING W/CLEAN CLOTH. DO NOT WIPE/RUB MATL FROM SKIN. FLUSH REMAINING MATL FROM SKIN W/WATER, & THAN WASH SKIN THORO W/SOAP & PLENTY OF WATER FOR AT LEAST 15 MINS. DO NOT ATTEMPT TO NEUT W/CHEM AGENTS. GET MED ATTN. WASH CONTAM CLTHG BEFORE REUSE. THORO CLEAN CONTAM SHOES BE

Spill Release Procedures:
ISOLATE SPILL AREA & RESTRICT NON-ESSENTIAL PERS FROM AREA. ALL PERS INVOLVED IN SPILL CLEAN-UP SHOULD FOLLOW GOOD INDUS HYGIENE PRACTS. WEAR PROT CLTHG TO PVNT SKIN & EYE CONT. 5 SOURCE OF SPILL I F THIS B POSS W/OUT BEING INJURED. SWEEP/SCOOP UP SPILLED MATL. IF LIQUIFIED, ABSORB W/INERT MATL (E.G. SAND/EARTH). REMOVE & PLACE IN CHEM WASTE CONTR FOR DISP. FLUSH SPILL AREA W/DETERGENT & WATER.

Neutralizing Agent:
N/P

Waste Disposal Methods:
MATL THAT CANNOT BE USED/CHEM REPROCESSED & EMPTY CONTRS, EXCEPT THOSE DESIGNED FOR MULTIPLE USE (RETURNABLE), SHOULD BE DISPOSED OF IA/W ALL APPLIC REGS. PROD CONTRS SHOULD BE THORO EMPTIED BEFORE D ISP. THIS PROD, IF UNUSED, IS NOT A RCRA LISTED WASTE & DOES NOT MEET RCRA CRITERIA OF HAZ WASTE BY CHARACTS. (TRANSPORT INFO)

Handling And Storage Precautions:
WEAR PROT EQUIP WHEN HNDLG PROD TO PVNT EYE & SKIN CONT. USE APPRVD EQUIP FOR TRANSPORT OF CONTRS TO AVOID PUNCTURING/RUPTURING CONTRS. DO NOT USE AIR PRESS TO EMPTY CONTRS. EMPTIED CONTRS MAY RETAIN PROD RESIDUES. FOLLOW ALL WARNINGS & PREC EVEN AFTER CONTR IS 4 EMPTIED.

Other Precautions:
STORE AWAY FROM FOODSTUFFS/ANIMAL FEED. CONTRS SHOULD BE STORED IN COOL, DRY, WELL-VENTILATED AREA AWAY FROM ACIDIC/OXIDIZING MATLS. OPEN CONTRS SHOULD BE TIGHTLY CLSD WHEN RETURNED TO STOR. IF OUTDOO R STOR IS UNAVOIDABLE, CONTRS SHOULD BE PLACED IN AREA SHIELDED FROM SUN & OTHER ELEMENTS. (SARA REG 5)

Fire and Explosion Hazard Information

Flash Point Method:
COC

Flash Point:
=210.C, 410.F

Flash Point Text:

Autoignition Temp:

Autoignition Temp Text:
N/K

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
USE WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, OR FOAM EXTINGUISHING AGENTS. DIRECT APPLICATION OF HIGH PRESSURE WATER STREAMS MAY SPATTER BURNING MATERIAL.

Fire Fighting Procedures:
WEAR NIOSH APPRVD SCBA & FULL PROT EQUIP (FP N). AS IN ANY FIRE, PVNT HUMAN EXPOS TO FIRE, SMOKE, FUMES/PRODS OF COMBUST. EVACUATE NON-ESSENTIAL PERS FROM FIRE AREA. IF POSS REMOVE CONTRS FROM FIRE AR EA. KEEP FIRE-EXPOSED CONTRS COOL W/WATER FOG/SPRAY TO PVNT RUPTURE DUE TO EXCESS HEAT. (SARA REGS)

Unusual Fire/Explosion Hazard:
PROD IS NOT DEFINED AS FLAM/COMBUST. HOWEVER, UNDER FIRE CNDTNS IT MAY SUPPORT COMBUST & DECOMP TO GIVE OFF TOX GASES SUCH AS CARBON MONOXIDE & DIOXIDE, & NITROGEN OXIDES. PROD IS NOT SENSITIVE TO STA TIC DISCHARGE. OXIDES OF CARBON & NITROGEN ARE PRODED BY COMBUST. NFPA RATINGS: HLTH: 3, FLAM: 1; REACTIVITY: 0.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:
=300.C, 572.F

B.P. Text:
@ 760 MM HG (MINIMUM)

Melt/Freeze Pt:
=32.C, 89.5F

M.P/F.P Text:
APPROXIMATELY

Decomp Temp:

Decomp Text:
N/P

Vapor Pres:
0.1 MM HG @ 20C

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
0.916 @ 25C

VOC Pounds/Gallon:

PH: N/K, ALKALINE

VOC Grams/Liter:

Viscosity:
N/P 6

Evaporation Rate & Reference:
1 (BUTYL ACETATE=1)

Solubility in Water:
NEGLIGIBLE

Appearance and Odor:
YELLOW PASTE WITH TYPICAL AMINE ODOR.

Percent Volatiles by Volume:
1% (WT)

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
AVOID PROLONGED STOR AT ELEVATED TEMPS. NOT SELF-REACTIVE HAS A SHELF LIFE OF GREATER THAN 1 YR UNDER SEALED CNDTNS. IT IS NOT SENSITIVE TO PHYSICAL IMPACT/STATIC DISCHARGE.

Materials To Avoid:
THIS PRODUCT IS INCOMPATIBLE WITH STRONG ACIDS AND STRONG OXIDIZERS.

Hazardous Decomposition Products:
THERMAL DECOMPOSITION PRODUCTS INCLUDE TOXIC OXIDES OF CARBON AND NITROGEN.

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

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