

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-142/142-77-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
142-77-8
Code:
T

RTECS:
RG3711000
Code:
T

Name:
BUTYL OLEATE. PRESENT ONLY IN SANTOGARD PVI-DS.

Other REC Limits:
N/K (FP N)

OSHA PEL:
N/K (FP N)
Code:
M

OSHA STEL:
N/K (FP N)
Code:
M

ACGIH TLV:
N/K (FP N)
Code:
M

ACGIHSTEL:
N/K (FP N)
Code:
M

Control Measures

Respiratory Protection:
AVOID BRTHG VAP &/OR DUST. USE NIOSH APPRVD RESP PROT EQUIP (FULL FACEPIECE RECOMMENDED) WHEN AIRBORNE EXPOS IS EXCESS. CONSULT RESP MANUFACTURER TO DETERMINE APPROPRIATE TYPE EQUIP FOR GIVEN APPLICAT ION. OBSERVE RESP USE LIMITATIONS SPECIFIED BY NIOSH/MANUFACTURER. RESP PROT PROGRAMS MUST COMPLY W/29 CFR 1910.134.

Ventilation:
PROVIDE NATURAL/MECHANICAL VENT TO MINIMIZE EXPOSURE. IF PRACTICAL, USE LOCAL MECH EXHAUST VENT AT SOURCES OF AIR CONTAMINATION SUCH AS OPEN PROCESS EQUIP.

Protective Gloves:
CHEMICAL RESISTANT GLOVES.

Eye Protection:
ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment:
Equipment EYEWASH DELUGE SHOWER MTG ANSI DESIGN CRITERIA (FP N). WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN CONT. CONSULT GLOVE MANUFACTURER TO DETERMINE APPROPRIATE TYPE GLOVE FOR GIVEN APPLICATION.

Work Hygienic Practices:
WASH THOROUGHLY AFTER HANDLING. WASH CONTAMINATED SKIN PROMPTLY. LAUNDER CONTAMINATED CLOTHING AND CLEAN PROTECTIVE EQUIPMENT BEFORE REUSE.

Supplemental Safety and Health:
SPILL PROC: BURN CONTAINERS IN APPROVED INCINERATOR/DISPOSE OF IN CHEMICAL LANDFILL WHICH COMPLIES W/WALL APPLIC LOCAL, STATE & FEDERAL LAWS & REGS. FOR EMERGENCY ASSISTANCE (ONLY IN EVENT OF CHEM EMER GENCIES INVOLVING SPILL, LEAK, EXPOS/ACCIDENT INVOLVING CHEMS) CALL CHEMTREC 800-424-9300.

Health Hazards Data

LD50LC50Mixture:
SEE TOXICOLOGICAL INFORMATION.

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
THE FOLLOWING INFORMATION SUMMARIZES HUMAN EXPERIENCE AND RESULTS OF SCIENTIFIC INVESTIGATIONS REVIEWED BY HEALTH PROFESSIONALS FOR HAZARD EVALUATION OF SANTOGARD PVI PREVULCANIZATION INHIBITOR AND DE VELOPMENT OF PRECAUTIONARY STATEMENTS AND OCCUPATIONAL CONTROL PROCEDURES RECOMMENDED IN THIS DOCUMENT. SKIN CONTACT AND INHALATION ARE EXPECTED TO BE THE PRIMARY ROUTES OF OCCUPATIONAL EXPOSURE TO SA NTOGARD PVI PREVULCANIZATION INHIBITOR. OCCUPATIONAL EXPOSURE TO THIS MATERIAL HAS BEEN RE

Explanation Of Carcinogenicity:
N/P

Signs And Symptions Of Overexposure:
HEALTH HAZARDS: IN ADDITION, THIS MATERIAL MAY PRODUCE ALLERGIC SKIN REACTION IN SUSCEPTIBLE INDIVIDUALS. FOLLOWING EXPOSURE TO SANTOGARD PVI, WORKERS HAVE REPORTED THE PRESENCE OF A STRONG ODOR (MERC APTAN-LIKE) ON THE SKIN WHICH CAN BE REMOVED BY PERSPIRATION, WASHING OR SHOWERING. SOME EXPOSED INDIVIDUALS HAVE REPORTED NAUSEA DUE TO THIS STRONG ODOR.

Medical Cond Aggravated By Exposure:
N/P

First Aid:
EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN: IMMEDIATELY WASH WITH SOAP AND PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE. INHALATION: REMOVE PERSON TO FRESH AIR. REMOVE MATERIAL FROM EYES, SKIN AND CLOTHING. INGESTION: CALL MD IMMEDIATELY (FP N).

Spill Release Procedures:
AVOID CREATING DUST CLOUD AS THIS MATL, IF DISPERSED IN AIR, COULD PRESENT POTENTIAL DUST EXPLO HAZ. DO NOT BLOW MATL. USE VACUUM EQUIP DESIGNED SPECIFICALLY FOR HNDLG COMBUST DUSTS. VACUUM/SWEEP UP & PLACE IN DRY, COVERED, CLEAN CONTR. WEAR GLOVES & GOGGS WHILE CLEANING UP SPILLS. FLUSH AREA W/WATER. KEEP MATL OUT OF SEWERS, WATERSHEDS & WATERWAYS. (SUP DAT) 3

Neutralizing Agent:
N/P

Waste Disposal Methods:
WHEN DISCARDED, MATL IS NOT "HAZ WASTE" AS THAT TERM IS DEFINED IN RCRA, 40 CFR 261, "IDENTIFICATION & LISTING OF HAZ WASTE". BURN IN APPRVD INCIN/DISPOSE OF IN APPRVD CHEM LANDFILL WHICH COMPLIES W/A LL APPLIC LOC, STATE & FED LAWS & REGS. CONSULT YOUR ATTORNEY/APPROP REGULATORY OFFICIALS FOR INFO O N SUCH DISP.

Handling And Storage Precautions:
DURING STOR AVOID EXTREMES OF TEMPS & HUMIDITY. SUGGESTED MAX STOR TIME IS ONE YEAR. COMBUST DUST - EXPLO POTENTIAL. KEEP AWAY FROM HEAT, SPARKS & FLAME. AVOID CREATING DUST IN HNDLG, TRANSFER/CLEAN U P. AVOID CONT W/EYES, SKIN & CLOTHING. AVOID BREATHING VAP/DUST. KEEP CONTR CLOSED. USE W/ADEQ VENT.

Other Precautions:
EMPTIED CONTR RETAINS VAP & PROD RESIDUE. OBSERVE ALL LABELED SAFEGUARDS UNTIL CONTR IS CLEANED, RECONDITIONED/DESTROYED. STORE IN COOL DRY PLACE, AWAY FROM FOODSTUFFS & ACIDS. FOR ADDNL PROD INFO, IN CL PROD FORMS, CHARACTS & APPLICATIONS, & FDA REGS, CONSULT MONSANTO RUBBER CHEMICALS PURCHASING GUI DE.

Fire and Explosion Hazard Information

Flash Point Method:
PMCC

Flash Point:
=187.8C, 370.F

Flash Point Text:

Autoignition Temp:
=530.C, 986.F

Autoignition Temp Text:

Lower Limits:

Upper Limits:

Extinguishing Media:
WATER SPRAY OR OTHER CLASS A EXTINGUISHING AGENT.

Fire Fighting Procedures:
WEAR NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT (FP N). THOROUGHLY DECONTAMINATE EQUIPMENT AFTER USE.

Unusual Fire/Explosion Hazard:
CARBON MONOXIDE, SULFUR DIOXIDE & NITROGEN OXIDE ARE EMITTED WHEN PROD IS IGNITED. NOTE: PROD IS SOMETIMES SOLD AS MILLED GRADE. THIS FINE PARTICLE SIZE CREATES POTENTIAL FOR DUST EXPLO/FIRES. FOR ANY OPERATIONS INVOLVING MILLED PROD/ANY ADDN TO FLAMM SOLVS, USE ONLY ELEC EQUIP THAT IS 4 SUITABLE FOR HAZ (OTHER INFO)

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/P 5

Melt/Freeze Pt:
>90.C, 194.F

M.P/F.P Text:

Decomp Temp:

Decomp Text:
N/P

Vapor Pres:
N/P

Vapor Density:
N/P

Volatile Org Content %:

Spec Gravity:
1.3 @ 25/25C

VOC Pounds/Gallon:

PH: N/P

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/P

Solubility in Water:
INSOLUBLE

Appearance and Odor:
LIGHT TAN TO WHITE CRYSTALS; SLIGHT MERCAPTAN ODOR.

Percent Volatiles by Volume:
N/P

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
SLOWLY DEGRADES ABOVE 156C.

Materials To Avoid:
ACIDS.

Hazardous Decomposition Products:
IF STRONGLY HEATED, THIS PRODUCT MAY CATCH FIRE AND GIVE OFF TOXIC FUMES OF CARBON MONOXIDE, SULFUR DIOXIDE AND NITROGEN OXIDES.

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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WARRANTY

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