MATERIAL SAFETY DATA SHEET For R&D use only. Not for drug, household or other uses.

Click http://www.lookchem.com/cas-132/1323-19-9.html for suppliers of this product.

Composition/Information on Ingredient

Cas:

Χ

Name:

OSHA PEL:

OSHA STEL:

ACGIH TLV:

ACGIHSTEL:

Ventilation:

Protective Gloves:

Eye Protection:

IMPERVIOUS GLOVES

Other Protective Equipment:

Work Hygienic Practices:

LD50LC50Mixture:

Skin: YES

NO

IARC: NO

OSHA: NO

(SUPLLEMEN)

First Aid:

PER MSDS: NONE.

Ingestion:

Supplemental Safety and Health:

Health Hazards Data

ORAL LD50 (RAT) IS UNKNOWN

Carcinogenicity Inds - NTP:

Health Hazards Acute And Chronic:

Explanation Of Carcinogenicity:

Spill Release Procedures:

Other Precautions:

TO AFFECT(SUP)

Flash Point Method:

N/P

N/K

N/R

N/R

Lower Limits:

Upper Limits:

PRODUCTS.

HCC: В3

N/R

NRC/State LIC No:

Boiling Point:

Melt/Freeze Pt:

M.P/F.P Text:

Decomp Temp:

Decomp Text:

Vapor Pres: 0.04M @20C

Vapor Density:

Spec Gravity:

VOC Pounds/Gallon:

VOC Grams/Liter:

Solubility in Water:

Corrosion Rate:

Stability Indicator:

Materials To Avoid:

NOT APPLICABLE

Information:N/P

Information:N/P

Appearance and Odor:

Evaporation Rate & Reference:

LIQUID, LIGHT YELLOW, FISHY ODOR.

Percent Volatiles by Volume:

Reactivity Data

Stability Condition To Avoid:

STRONG OXIDIZING AGENTS.

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

www.lookchem.com

Other Information:N/P

MSDS Transport Information

1.13

PH: 9.3

Viscosity: N/K

COMPLETE

5

N/K

YES

STABILITY.

Volatile Org Content %:

N/K

N/K

B.P. Text: 392F,200C

Net Prop WT For Ammo:

Extinguishing Media:

Fire Fighting Procedures:

Unusual Fire/Explosion Hazard:

MAY FORM PEROXIDES OF UNKOWN STABILITY.

Physical/Chemical Properties

Flash Point:

Flash Point Text: >199F,>93C

Autoignition Temp:

Autoignition Temp Text:

Signs And Symptions Of Overexposure:

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

BY MOUTH IF UNCONSC. CALL PHYSICIAN OR POISON CCNTRL CNT

Fire and Explosion Hazard Information

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

Route Of Entry Inds - Inhalation:

SAF GLASSES W/SIDESHIELD, GOGGLES.

SHOWER, EYEBATH. WASH CONTAMIN CLOTH BEF REUSE.

WORKSURFACE/EQPMT CLEANING TO MIN SKIN RX.

NOT ESTABLISHED

Control Measures

NONE SHOULD BE NEEDED.

USE GOOD VENTI(TYP10AIR CHANGES/HR).MATCH RATES W/CONDITIONS.

Equipment PROT CLOTH APPRO FOR EXPO RISK.DECONTAMIN FACILITIES:WASHING FACILITIES,SA

WASH THOROUGHLY AFT HANLDING. USE ROUTINE NONALKALINE (ACID) TYP HANDCLEANER/REG

WASTE TRE AT MATL NOT EXPECTED TO CAUSE ADVERSE ENVRIO EFFECTS. 4

HEALTH HAZ:MAY DEPRESS CNS ACTIVITY & CAUSE DROWSINESS. WASTE DISPOSAL:DIETHYLENE GLYCOL. OTHER PRECAUT: GERMINATION/EARLY GROWTH OF PLANTS, LOW POT TO BIOCONC. AFT DIL W/LG AMTS OF WATER & 2ND

Respiratory Protection:

Code:

Code:

Code: Μ

NΡ Code:

Μ

NONE RECOMMENDED

NOT ESTABLISHED

1323-19-9

TRIS(1-METHYLETHYL)NAPHTHALENE SULFONIC ACID SODI **Other REC Limits:**

Code: Μ

RTECS: Code:

Neutralizing Agent: NOT APPLICABLE **Waste Disposal Methods:** DISCHARGE/TREAT/DISPOSAL MAY BE SUB TO NAT/STATE/LOC LAWS.FLUSH TO SEWER W/LG AMTS OF WATER.SINCE EMPTIED CNTNRS RETAIN PROD RESIDUE FOLLOW LABEL WARNINGS AFT EMTPIED.CHEM SUB TO REPORTING REQMTS OF S EC 313,TIT III OF SARA/40CF372:HYDROQUINONE(SUPPL) **Handling And Storage Precautions:** AVOID CONTACT W/EYES/SKIN/CLOTH.USE ADEQ VENTI.KEEP AWAY FRM OXIDIZING MATLS.MIN EXPO TO AIR.IF PEROXIDE FORMATION IS SUSPECTED DO NOT OPEN/MOVE CNTNR 3

KEEP CNTNR TIGHTLY CLSD.STORE AWAY FROMHEAT/LIGHT.MODERATLYALKALINE AQU SOLN.LOW BIOCHEM OXY DEMAND & LITTLE POT TO CAUSE OXY DEPLETION IN AQUISYS, HI POT TO AFFECTS AQUIORGANISMS & 2ND WASTE TREAT MIC ROBIAL METABOLISM, MOD POT

WEAR SELF-CONTAINED BREATH APPARATUS & PROT CLOTH.FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION

NORMALLY STABLE HOWEVER ONLONG TERM STORAGE MATLS CONTAINING SIMILAR FUNCTIONAL GROUPS FORM PEROXIDES OF UNK

HAZ COMBUST PROD:OXIDES OF SULFUR, OXIDES OF NITROGEN, CARBON MONOXIDE AND CARBON DIOXIDE

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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.

GEN: BASED ON REPEATED-DOSE INGEST STUDIES IN ANIMALS, 1PHENYL4, 4DIMETHYL3PYRAZOLIDINONE MINOR CMPNT OF PROD MAY

EYE/SKIN IRRITATION. ALLERGIC SKIN REACTION. KIDNEY DAMAGE. DEPRESS CENTRAL NERVOUS SYTEM ACITIVITY, DROWSINESS.

INHAL: IF SYMPTOMATIC MOVE TO FRESH AIR. GET MED ATTN IF SYMPTOMS PERSIST. EYE: IMMED FLUSH W/PLENTY OF WATER FOR @LEAST 15MINS. GET MED ATTN IMMED. SKIN: IMMED FLUSH W/PLENTY OF WATER. WASH W/NONALKALINE (ACID) TYUP SKIN CLEANER. IF IRRIT/ALLERGIC SKIN RX DEVELOPS GET MED ATTN. INGEST: INDUCE VOMIT AS DIRECTED BY MED PERSONNEL. NEVER GIVE ANYTHING

FLUSH TO SEWER W/LG AMTS OF WATER. OTHERWISE ABSORB SPILL W/VERMILCULITE OR OTHER INERT MATERIAL THE PLACE IN

CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

HANDLING.EYE/SKIN: CAUSES IRRIT.MAY CAUSE ALLERGIC SKIN RX.INGEST: HARMFUL IF INGEST.CAN CAUSE KIDNEY DAMAGE.

CAUSE BLOOD, TESTICULAR, ADVERSE REPORD EFFECTS. INHAL: EXPECTED TO BE LOW HAZ FOR RECOMMENDE D