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

Click http://www.lookchem.com/cas-95/95-53-4.html for suppliers of this product.

Composition/Information on Ingredient Cas:

95-53-4 Code: Т RTECS: XU2975000 Code: Τ

Name:

Other REC Limits:

SEE 1910.1028

NΡ

OSHA PEL:

OSHA STEL:

ACGIH TLV:

ACGIHSTEL:

Ventilation:

Protective Gloves:

Eye Protection:

MSDS).

YES

Skin: YES

YES

YES

IARC: YES

OSHA: YES

Ingestion:

LD50LC50Mixture:

4 IMPERVIOUS GLOVES

Other Protective Equipment:

Work Hygienic Practices:

Supplemental Safety and Health:

Health Hazards Data

ORAL LD50: 20.8 G/KG IN RATS

Carcinogenicity Inds - NTP:

Health Hazards Acute And Chronic:

Explanation Of Carcinogenicity:

Signs And Symptions Of Overexposure:

Medical Cond Aggravated By Exposure:

OTHER ABSORBENT MATERIAL. (SEE SUPPL DATA)

Spill Release Procedures:

Neutralizing Agent:

Other Precautions:

SPARKS, AND FLAMES.

Flash Point Method:

PMCC

N/A

HCC: F3

NRC/State LIC No:

Boiling Point: =137.2C, 279.F

Melt/Freeze Pt:

M.P/F.P Text:

Decomp Temp:

Decomp Text:

Vapor Pres:

Vapor Density:

Spec Gravity: 1.0@16C (60F)

PH: N/P

Viscosity: N/P

9.5 (ETHER=1)

NEGLIGIBLE

-33 WT

N/P

YES

Corrosion Rate:

Stability Indicator:

Materials To Avoid:

WILL NOT OCCUR. 5

Information:N/P

Information:N/P

Solubility in Water:

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

www.lookchem.com

Other Information:N/P

MSDS Transport Information

VOC Pounds/Gallon:

VOC Grams/Liter:

Evaporation Rate & Reference:

DARK RED LIQUID. ODOR: AROMATIC HYDROCARBON

STABLE AT NORMAL TEMPERATURES AND STORAGE CONDITIONS.

DYE MAY BE REDUCED TO LIBERATE FREE AROMATIC AMINES. HAZARDOUS GASES/VAPORS PRODUCED IN FIRE ARE CARBON MONOXIDE,

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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.

INCOMPATIBLE WITH OXIDIZING AND REDUCING AGENTS.

OXIDES OF NITROGEN, ACRID SMOKE AND FUMES.

5.1 MM HG@20C(68F)

Volatile Org Content %:

N/P

N/P

B.P. Text: @760 MM HG

Net Prop WT For Ammo:

Lower Limits:

Upper Limits:

Extinguishing Media:

Fire Fighting Procedures:

Unusual Fire/Explosion Hazard:

IGNITION SOURCE AND FLASH BACK.

WATER SPRAY, FOAM, DRY CHEMICAL, CO2.

EQUIPMENT. COOL TANK/CONTAINER WITH WATER SPRAY.

Physical/Chemical Properties

Flash Point: =27.8C, 82.F

Flash Point Text:

Autoignition Temp:

Autoignition Temp Text:

Waste Disposal Methods:

Handling And Storage Precautions:

N/A

AS POTENTIAL CARCINOGENS: (BENZENE), O-TOLUIDINE.

HEADACHE, CONFUSION, INCOORDINATION AND LOSS OF CO

Code:

Code: Т

32 MG/M3;10 PPM

NOT ESTABLISHED

Control Measures

Respiratory Protection:

Code:

Τ

NP Code:

O-TOLUIDINE Environmental Wt: Other REC Limits:

WHERE THERE IS POTENTIAL FOR AIRBORNE EXPOSURES IN EXCESS OF APPLICABLE LIMITS, WEAR NIOSH/MSHA

USE VENTILATION THAT IS ADEQUATE TO KEEP AIRBORNE CONCENTRATIONS BELOW EXPOSURE LIMITS. AVOID

Equipment WHERE THERE IS POTENTIAL FOR SKIN CONTACT HAVE AVAILABLE AND WEAR AS APPROPRIATE,

INDICATING LIQUID INSIDE THE THERMOMETER IS MADE UP OF MINERAL SPIRIT (SEE MSDS #CLJJN) AND RED DYE (THIS

APPROVED RESPIRATORY PROTECTION. KEEP CONTAINER TIGHTLY CLOSED.

CONDITIONS THAT ARE LIKELY TO GENERATE AIRBORNE MISTS.

IMPERVIOUS GLOVES, APRON, PANTS, AND JACKETS.

WEAR SAFETY GLASSES OR COVERALL CHEMICAL SPLASH GOGGLES.

TAKE ALL PRECAUSTIONS WHEN HANDLING A BROKEN THERMOMETER.

Route Of Entry Inds - Inhalation:

INDIVIDUALS WITH PREEXISTING DISEASES OF THE CENTRAL NERVOUS SYSTEM, KIDNEYS, LIVER, CARDIOVASCULAR SYSTEM, LUNGS, OR BONE MARROW MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES First Aid: INHALATION: IMMEDIATELY REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. SKIN CONTACT: FLUSH SKIN WITH WATER. THE DYE CAN BE REMOVED WITH HAND CREAM OR HAND CLEANER. CALL A PHYSICIAN. EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING. IMM EDIATELY GIVE 2 GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CAL

3 USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT DURING CLEAN-UP. EVACUATE PERSONNEL, THOROUGHLY VENTILATE AREA, USE SELF-CONTAINED BREATHING APPARATUS. REMOVE SOURCE OF HEAT, SPARKS, FLAME, IMPACT, FRIC TION OR ELECTRICITY. DIKE SPILL. PREVENT MATERIAL FROM ENTERING SEWERS, WATERWAYS, OR LOW AREAS. SOAK UP WITH SAWDUST, SAND, OIL DRY OR

TREATMENT, STORAGE, TRANSPORTATION, AND DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE/ PROVINCIAL,

KEEP CONTAINER IN A COOL PLACE. STORE IN A WELL VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. STORE IN ACCORD WITH NATIONAL FIRE PROTECTION ASSOCIATION RECOMMENDATIONS. HANDLING (PERSONNEL): AVOID BREATHING VAPORS OR MIST. AVOID

LAUNDER CONTAIMINATED CLOTHING BEFORE REUSE. HANDLING: (PHYSICAL ASPECTS); GROUND CONTAINER WHEN POURING. USE OF NON-SPARKING AND EXPLOSION-PROOF EQUIPMENT MAY BE NECESSARY DEPENDING ON TYPE OF OPERAT ION. KEEP AWAY FROM HEAT,

KEEP PERSONNEL REMOVED AND UPWIND OF FIRE. WEAR SELF-CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE

FLAMMABLE LIQUID. VAPOR FORMS EXPLOSIVE MIXTURE WITH AIR. VAPORS OR GASES MAY TRAVEL CONSIDERABLE DISTANCES TO

AND LOCAL REGULATIONS. DO NOT FLUSH TO SURFACE WATER OR SANITARY SEWER SYSTEM. THIS M ATERIAL MAY BE AN RCRA

REGULATED HAZARDOUS WASTE UPON DISPOSAL DUE TO THE IGNITABILITY CHARACTERISTI C.

CONTACT WITH EYES, SKIN, OR CLOTHING. WASH THROUGHLY AFTER HANDLING.

Fire and Explosion Hazard Information

SKIN (XYLENE): DRYING OF SKIN, IRRITATION, RASH, SYSTEMIC TOXICITY. EYE: IRRITATION. INHALATION OF XYLENE: NAUSEA,

FROM GROSS EXPOSURE. INGESTION OF XYLENE: GI IRRITATION, NAUSEA, HEADACHE, WEAKNESS, CNS DEPRESSION.

HEADACHE, CNS DEPRESSION; HIGHER EXPOSURES MAY LEAD TO CARDIAC STRESS, ANEMIA, LIVER & KIDNEY DAMAGE OR FATALITY

BENZENE & O-TOLUIDINE ARE LISTED BY IARC, NTP, OSHA & ACGIH AS CARCINOGEN. DU PONT CONTROLS THE FOLLOWING MATERIALS

DISCOMFORT, TEARING, OR BLURRING OF VISION. INHALTION OF XYLENE MAY INCLUDE NONSPECIFIC DISCOMFORT, SUCH AS NAUSEA, HEADACHE, OR WEAKNESS; AND TEMPORARY NERVOUS SYSTEM DEPRESSION WIT H ANAESTHETIC EFFECTS SUCH AS DIZZINESS,

SKIN CONTACT WITH XYLENE MAY INCLUDE DRYING OF THE SKIN WITH IRRITATION AND RASH. SKIN PERMEATION CAN OCCUR IN AMOUNTS CAPABLE OF PRODUCING THE EFFECTS OF SYSTEMIC TOXICITY. EYE CONTACT MAY INCLUDE EY E IRRITATION WITH