MATERIAL SAFETY DATA SHEET For R&D use only. Not for drug, household or other uses. Click http://www.lookchem.com/cas-91/91-22-5.html for suppliers of this product.

Μ **RTECS:** VA9275000

Code: Code: Μ

Cas: 91-22-5

Composition/Information on Ingredient

Name: QUINOLINE **Other REC Limits:** NK **OSHA PEL:** NK Code:

Μ **OSHA STEL:** Code:

ACGIH TLV: ΝK Code: Μ **ACGIHSTEL:** Code:

Control Measures Respiratory Protection: SINCE PRODUCT IS USED OUTDOORS, RESPIRATORS ARE TYPICALLY NOT REQUIRED. HOWEVER IN EMERGENCIES,

USE SELF-CONTAINED BREATHING APPARATUS OR OTHER APPROPRIATE RESPIRATOR. **Ventilation:**

ADEQUATE VENTILATION IS REQUIRED **Protective Gloves:**

NEOPRENE Eye Protection: GOGGLES, FACE SHIELD

Other Protective Equipment: Equipment APRON &BOOTS 3 **Work Hygienic Practices:** REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. **Supplemental Safety and Health:** NOTE TO PHYSICIAN: GASTRIC LAVAGE IS INDICATED. DON'T INDUCE VOMITING. BOILING RANGE: 210-500F.

Health Hazards Data LD50LC50Mixture: ORAL (RAT) LD50: 331 MG/KG

EYE: BURNS, REDNESS, ULCERATIONS & PERMANENT INJURY. SKIN: BURNS, REDNESS, ULCERATIONS, PERMANENT INJURY, SUN BURN SYMPTOMS, & ABSORPTION. INHALATION: IRRITATION TO NOSE & THROAT W/DIZZINESS & LIGHT-H EADEDNESS. INGESTION: NAUSEA

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INHALATION: REMOVE TO FRESH AIR. GIVE CPR OR OXYGEN IF NECESSARY. EYES: FLUSH W/WATER FOR 10 MINS. TREATMENT IS MOST EFFECTIVE WITHIN 1 MIN. SKIN: WASH EXPOSED AREA W/SOAP & WATER. APPLY EMOLLIENT RIC H CREAM. INGESTION: DON'T INDUCE VOMITING. KEEP WARM/QUIET. ASPIRATION OF MATERIAL INTO LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH

CONTAIN SPILL. USE ABSORBENT SUCH AS PAPER, VERMICULITE. PLACE INTO LABELED CONTAINERS. CLEAN UP RESIDUE W/GOOD

DISPOSE OF LIQUID (IF NOT REUSED) & CONTAMINATED ABSORBENT IN ACCORDANCE W/ALL FEDERAL, STATE, & LOCAL POLLUTION

PRODUCT IS ONLY USED OUTDOORS W/ADEQUATE VENTILATION. STORE AT TEMPERATURES BETWEEN 35F & 100F. KEEP CONTAINER

WEAR SELF-CONTAINED BREATHING APPARATUS W/FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE

DETERGENT & WATER. WEAR APPROPRIATE PROTECTIVE CLOTHING SUCH AS BOOTS, GLOVES, & APRON. 2

Route Of Entry Inds - Inhalation:

Carcinogenicity Inds - NTP:

Health Hazards Acute And Chronic:

Explanation Of Carcinogenicity:

Signs And Symptions Of Overexposure:

Medical Cond Aggravated By Exposure:

CAN BE FATAL. OBTAIN MEDICAL ATTENTION IN ALL CASES.

READ ENTIRE LABEL BEFORE USING PRODUCT. KEEP OUT OF REACH OF CHILDREN.

Fire and Explosion Hazard Information

FOAM, ALCOHOL FOAM, DRY CHEMICAL, OR WATER SPRAY

Physical/Chemical Properties

COAL TAR & QUINOLINE ARE CONSIDERED TO BE CARCINOGENS BY ACGIH.

Skin: YES

YES

IARC: NO

OSHA: NO

& VOMITING.

& VOMITING.

N/K

N/K

First Aid:

Spill Release Procedures:

Waste Disposal Methods:

Handling And Storage Precautions:

Neutralizing Agent:

REGULATIONS.

TIGHTLY CLOSED.

Other Precautions:

Flash Point Method:

PMCC

100F

N/A

N/R

N/R

MODE.

N/R

HCC:

NRC/State LIC No:

Boiling Point:

Melt/Freeze Pt:

M.P/F.P Text:

Decomp Temp:

Decomp Text:

Vapor Pres:

Vapor Density:

Spec Gravity:

VOC Pounds/Gallon:

VOC Grams/Liter:

Evaporation Rate & Reference:

BLACK, OPAQUE, PETROLEUM ODOR, SLIGHTLY VISCOUS.

Volatile Org Content %:

N/K

N/K

N/R

1.180

PH: N/R

Viscosity:

(BUAC = 1):

COMPLETE

55%

N/K

YES

CO

N/R

Information:N/P

Information:N/P

Solubility in Water:

Corrosion Rate:

Stability Indicator:

Materials To Avoid: STRONG OXIDIZERS

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

MSDS Transport Information

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

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.

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

N/P

B.P. Text: SEE SUPP

Net Prop WT For Ammo:

Lower Limits:

Upper Limits:

Extinguishing Media:

Fire Fighting Procedures:

Unusual Fire/Explosion Hazard:

Flash Point:

Flash Point Text:

Autoignition Temp:

Autoignition Temp Text:

Ingestion: