

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-193/19381-50-1.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
19381-50-1

Code:
M

RTECS:
LJ8930000

Code:
T

Name:
NAPHTHOL GREEN B Environmental Wt: Other REC Li

Other REC Limits:
20 MPPCF (ACGIH TLV)

OSHA PEL:
20 MPPCF

Code:
M

OSHA STEL:
N/P

Code:

ACGIH TLV:
3 MG/M3

Code:
T

ACGIHSTEL:
N/P

Code:
T

Control Measures

Respiratory Protection:
USE PROCESS ENCLOSURES, LOCAL EXHAUST, OR OTHER ENGINEERING CONTROLS TO KEEP AIRBORNE LEVELS BELOW RECOMMENDED LIMITS. IF DUST GENERATED USE A MSHA/NIOSH APPROVED DUST RESPIRATOR OR EQUIVALENT. WEAR A PPRPRIATE RESPIRATOR WHEN VENTILATION IS INADEQUATE. FOR LARGE PRODUCT SPILLS, WEAR A SCBA TO AVOID INHALING PRODUCT.

Ventilation:
4 USE LOCAL EXHAUST VETILATION OR OTHER ENGINEERING CONTROLS TO KEEP AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS.

Protective Gloves:
WEAR IMPERVIOUS GLOVES.

Eye Protection:
SPLASH GOGGLES.

Other Protective Equipment:
Equipment SPLASH GOGGLES. LAB COAT. DUST RESPIRATOR. BE SURE TO USE A MSHA/NIOSH APPROVED RESPIRATOR OR EQUIVALENT. GLOVES (IMPERVIOUS). WEAR APPROPRIATE RESPIRATOR WHEN VENTILATION IS INADEQUATE.

Work Hygienic Practices:
SUGGESTED PROTECTIVE CLOTHING MIGHT NOT BE SUFFICIENT, CONSULT A SPECIALIST BEFORE HANDLING THIS PRODUCT.

Supplemental Safety and Health:
THIS ENTRY DESCRIBES NAPHTHOL GREEN B, PART OF A FOUR PART KIT (P/N 353-3FK) INCLUDING METHYL ALCOHOL, PART A; 2,2,4-TRIMETHYLPENTANE, PART B; AND CESIUM FLUORIDE, PART C.

Health Hazards Data

LD50LC50Mixture:
N/P

Route Of Entry Inds - Inhalation:
YES

Skin:
N/P

Ingestion:
YES

Carcinogenicity Inds - NTP:
N/P

IARC:
N/P

OSHA:
N/P 2

Health Hazards Acute And Chronic:
ACUTE: VERY DANGEROUS IN CASE OF INGESTION. SLIGHTLY DANGEROUS TO DANGEROUS IN CASE OF SKIN CONTACT (IRRITANT) OF EYE CONTACT (IRRITANT), OF INHALATION. THIS PRODUCT MAY IRRITATE EYES AND SKIN ON CONT ACT. CHRONIC: VERY DANGEROUS IN CASE OF INGESTION. SLIGHTLY DANGEROUS TO DANGEROUS IN CASE OF SKIN CONTACT (IRRITANT), OF EYE CONTACT (IRRITANT) OF INHALATION. THE SUBSTANCE IS TOXIC TO LUNGS, MUCUOS MEMBRANES. TOXICITY OF THE PROSUCT TO THE REPRODUCTIVE SYSTEM. NOT AVAILABLE, REPEATED OR PR

Explanation Of Carcinogenicity:
CARCINOGENIC EFFECTS: NOT AVAILABLE.

Signs And Symptions Of Overexposure:
VERY DANGEROUS IN CASE OF INGESTION. SLIGHTLY DANGEROUS TO DANGEROUS IN CASE OF SKIN CONTACT (IRRITANT) OF EYE CONTACT (IRRITANT), OF INHALATION. THIS PRODUCT MAY IRRITATE EYES AND SKIN CONTACT. CARCI NOGENIC EFFECTS: NOT AVAILABLE. MUTAGENIC EFFECTS: NOT AVAILABLE. TERATOGENIC EFFECTS: NOT AVAILABLE. TOXIC TO LUNGS, MUCUOS MEMBRANES.

Medical Cond Aggravated By Exposure:
N/P

First Aid:
EYE CONTACT: REMOVE CONTACT LENSES. FLUSH EYES WITH WATER FOR 15 MINUTES. KEEPING EYELIDS OPEN. DO NOT USE AN OINTMENT. SEEK MEDICAL ATTENTION. SKIN CONTACT: REMOVE CONTAMINATED CLOTHES, PROTECTING Y OUR OWN HANDS AND BODY. PLACE VICTIM UNDER DELUGE SHOWER. IF CHEMICAL TOUCHED SKIN, SUCH AS HANDS, GENTLY WASH CONTAMINATED SKIN WITH WATER AND NON-ABRASIVE SOAP. COVER IRRITATED SKIN WITH AN EMOLLIENT. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. WASH CONTAMINATED CLOTHES BEFORE REUSE. SE

Spill Release Procedures:
SMALL SPILL: USE APPROPRIATE TOOLS TO PUT SPILLED SOLID IN DISPOSAL CONTAINER. FINISH CLEANING BY SPREADING WATER ON CONTAMINATED SURFACE. DISPOSE OF ACCORDING TO LOCAL AND REGIONAL REQUIREMENTS. LAR GE SPILL: IN CASE OF A LARGE SPILL, USE A SHOVEL TO PUT MATERIAL INTO DISPOSAL CONTAINER. FINISH CLEANING BY SPREADING WATER ON CONTAMINATED SURFACE. ALLOW TO EVACUATE THROUGH SANITARY SYSTEM.

Neutralizing Agent:
N/P

Waste Disposal Methods:
RECYCLE TO PROCESS, IF POSSIBLE. CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES. 3

Handling And Storage Precautions:
KEEP CONTAINER DRY. KEEP IN A COOL PLACE. GROUND ALL EQUIPMENT CONTAINING MATERIAL. KEEP CONTAINER TIGHTLY CLOSED. KEEP IN A COOL, WELL-VENTILATED PLACE. COMBUSTIBLE MATERIALS SHOULD BE STORED AWAY FR OM EXTREME HEAT AND AWAY FROM STRONG OXIDIZING AGENTS.

Other Precautions:
KEEP FROM HEAT AND IGNITION SOURCES. EMPTY CONTAINERS POSE FIRE RISK, EVAPORATE RESIDUE IN A FUME HOOD. GROUND ALL EQUIPMENT CONTAINING MATERIAL. DO NOT INGEST OR BREATHE DUST. IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT. IF INGESTED, SEEK MEDICAL ADVICE. AVOID CONTACT W ITH SKIN AND EYES.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/A, COMBUSTIBLE

Autoignition Temp:

Autoignition Temp Text:
N/P

Lower Limits:
N/P

Upper Limits:
N/P

Extinguishing Media:
SMALL FIRE: USE DRY CHEMICALS, CO2, WATER SPRAY, OR FOAM. LARGE FIRE: USE WATER SPRAY, FOG, OR FOAM. DO NOT USE WATER JET.

Fire Fighting Procedures:
NO SPECIFIC INFORMATION IS AVAILABLE REGARDING THE FLAMMABILITY OF THIS PRODUCT IN PRESENCE OF VARIOUS MATERIALS.

Unusual Fire/Explosion Hazard:
RISKS OF EXPLOSION OF THE PRODUCT IN PRESENCE OF MECHANICAL IMPACT. NOT AVAILABLE. RISKS OF EXPLOSION OF THE PRODUCT IN PRESENCE OF STATIC DISCHARGE. NOT AVAILABLE. NO SPECIFIC INFORMATION IS AVAILABL E REGARDING THE PRODUCT'S RISKS OF EXPLOSION IN PRESENCE OF VARIOUS MATERIALS.

Physical/Chemical Properties

HCC:
F5

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
NOT AVAILABLE

Melt/Freeze Pt:

M.P/F.P Text:
DECOMPOSES

Decomp Temp:

Decomp Text:
N/P

Vapor Pres:
N/A

Vapor Density:
N/A

Volatile Org Content %:

Spec Gravity:
N/A

VOC Pounds/Gallon:

PH: N/A 5

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/P

Solubility in Water:
PARTIALLY SOLUBLE .

Appearance and Odor:
SOLID

Percent Volatiles by Volume:
N/P

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
THE PRODUCT IS STABLE.

Materials To Avoid:
NO SPECIFIC INFORMATION IS AVAILABLE IN MFR'S DATABASE REGARDING THE REACTIVITY OF THIS MATERIAL IN PRESENCE OF VARIOUS OTHER MATERIALS. NON-CORROSIVE IN PRESENCE OF GLASS.

Hazardous Decomposition Products:
PRODUCTS OF COMBUSTION: CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES (NO, NO2), SULFUR OXIDES (SO2, SO3), SOME METALIC 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

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 terms and conditions of sale.