

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-317/3173-72-6.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
3173-72-6
Code:
M

RTECS:
NQ9600000
Code:
M

Name:
1,5-NAPHTHALENE DIISOCYANATE

Other REC Limits:
N/K

OSHA PEL:
N/K
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
N/K
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
A SUPPLIED-AIR RESPIRATOR OR A SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED.

Ventilation:
LOCAL EXHAUST

Protective Gloves:
CHEMICAL RESISTANT GLOVES.

Eye Protection:
LIQUID CHEMICAL GOGGLES/FULL-FACE SHIELD

Other Protective Equipment:
Equipment SAFETY SHOWERS &EYEWASH STATION

Work Hygienic Practices:
REMOVE CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:
SOLUBILITY IN WATER: REACTS SLOWLY W/WATER TO LIBERATE CO2 GAS AND SOLID POLYUREA. VAPOOR PRESSURE: LESS THAN 10-4 MBAR AT 20 C

Health Hazards Data

LD50LC50Mixture:
N/K

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
INHALATION: MUCOUS MEMBRANES IN THE RESPIRATORY TRACT/RUNNING NOSE/SORE THROAT/PRODUCTIVE COUGH/REDUCTION IN LUNG FUNCTION. SKIN: IRRITATION/DISCOLORATION/REDDENING/SWELLING/BLISTERING/SENSITIZATION RE SULTING IN DERMATTITIS. EYES: IRRITATION/LACHRYMATION. INGESTION: IRRITATION TO STOMACH TISSUES/DIARRHEA/NAUSEA/VOMITING

Explanation Of Carcinogenicity:
NONE

Signs And Symptions Of Overexposure:
INHALATION: CHEST TIGHTNESS, RESPIRATORY DISTRESS/WHEEZING COUGH/SHORTNESS OF BREATH/ASTHMA ATTACK. SKIN: SCALING/BLISTERING/SKIN SENSITIZATION. INGESTION: CORROSIVE ACTION IN THE MOUTH/DIGESTIVE TRAC T/SORE THROAT/ABDOMINAL PAIN.

Medical Cond Aggravated By Exposure:
ASTHMA, OTHER RESPIRATORY DISORDERS (BRONCHITIS, EMPHYSEMA, BRONCHIAL HYPERRECTIVITY), SKIN ALLERGIES, ECZEMA.

First Aid:
EYES: FLUSH W/COPIOUS AMOUNT OF WATER, PERFERABLY LUKEWARM WATER FOR AT LEAST 15 MINUTES, HOLDING EYELIDS OPEN.SKIN: WASH AFFECTED SKIN THOROUGHLY W/SOAP & WATER. INHALATION: MOVE TO AN AREA FREE FROM FURTHER EXPOSURE. ADMINISTER OXYGEN/ARTIFICIAL RESPIRATION AS NEEDED. INGESTION: DO NOT INDUCE OMITING. GIVE 20 ML OF MILK/WATER TO DRINK. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:
IF MATERIAL IS MOLTEN, ALLOW TO SOLIDIFY THEN SHOVEL INTO OPEN CONTAINERS. FLAKES CAN BE SWEPTE & PLACED INTO OPEN CONTAINER. IF TEMPORARY CONTROL OF ISOCYANATE VAPOR IS REQUIRED, A BLANKET OF PROTEIN FOAM MAY BE PLACED OVER THE SPILL.

Neutralizing Agent:
N/K

Waste Disposal Methods:
WASTE MUST BE DISPOSED OF IN ACCORDANCE W/FEDERAL/STATE/LOCAL ENVIROMENTAL CONTROL REGULATIONS. INCINERATION IS THE PREFERRED METHOD. EMPTY CONTAINERS MUST BE HANDLED W/CARE DUE TO PRODUCT RESIDUE. D ECONTAMINATE CONTAINERS PRIOR TO DISPOSAL.

Handling And Storage Precautions:
STORE IN TIGHTLY CLOSED CONTAINERS TO PREVENT MOISTURE CONTAMINATION. DO NOT RESEAL IF CONTAMINATION IS SUSPECTED. 2

Other Precautions:
AVOID CONTACT W SKIN/EYES. DO NOT BREATHE AEROSOLS/VAPORS. THIS MATERIAL CAN PRODUCE ASTHMATIC SENSITIZATION UPON EITHER SINGLE INHALATION EXPOSURE TO A RELATIVELY HIGH CONCENTRATION/UPON REPEATED INH ALATION EXPOSURES TO LOWER CONCENTRATION

Fire and Explosion Hazard Information

Flash Point Method:
PMCC

Flash Point:

Flash Point Text:
345 F

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
DRY CHEMICAL, CARBON DIOXIDE, FOAM, WATER

Fire Fighting Procedures:
FULL EMERGENCY EQUIPMENT W/SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING SHOULD BE WORN BY FIREFIGHTERS.

Unusual Fire/Explosion Hazard:
AT TEMP. > THAN 400F., NDI CAN POLYMERIZE & DECOMPOSE WHICH CAN CAUSE PRESSURE BUILD-UP IN CLOSED CONTAINERS. EXPLOSIVE RUPTURE IS POSSIBLE.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
471F

Melt/Freeze Pt:

M.P/F.P Text:
261F

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
SEE SUPP

Vapor Density:
7.3

Volatile Org Content %:

Spec Gravity:
1.45

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/K

Solubility in Water:
SEE SUPP

Appearance and Odor:
WHITE TO PALE YELLOW

Percent Volatiles by Volume:
NEGILIE

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
N/K

Materials To Avoid:
WATER, AMINES, STRONG BASES, ALCOHOLS. WILL CAUSE SOME CORROSION TO COPPER ALLOYS AND ALUMINUM.

Hazardous Decomposition Products:
BY HIGH HEAT &FIRE; CARBON MONOXIDE, OXIDES OF NITROGEN, TRACES OF HCN, NDI VAPORS OR AEROSOIS.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/K

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