

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-548/54827-17-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
54827-17-7
Code:
M

RTECS:
DV2300000
Code:
M

Name:
(1,1'-BIPHENYL)-4,4-DIAMINE, 3,3',5,5'-TETRAMETHY

Other REC Limits:
N/P

OSHA PEL:
N/P
Code:

OSHA STEL:
N/P
Code:

ACGIH TLV:
N/P
Code:

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

Ventilation:
USE REGULAR VENTILATION.

Protective Gloves:
RUBBER (NEOPRENE) GLOVES.

Eye Protection:
ANSI APPROVED CHEMICAL WORKERS GOGGLES AND FULL LENGTH FACESHIELD (FP N).

Other Protective Equipment:
Equipment EYE WASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N). USE LAB COAT.

Work Hygienic Practices:
WASH HANDS FOLLOWING USE.

Supplemental Safety and Health:
PHYSICAL & CHEMICAL PROPERTIES: FLAMMABILITY: NOT FLAMMABLE.

Health Hazards Data

LD50LC50Mixture:
N/P

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
YES

OSHA:
NO

Health Hazards Acute And Chronic:
OVEREXPOSURE CAN CAUSE IRRITATION OF RESPIRATORY TRACT, ERYTHEMA, ITCHING AND SCALING OF SKIN, DIARRHEA. VAPOR OR MIST IS IRRITATING TO EYES, MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTIONS; MAY CAUSE NAUSEA, DIZZINESS OR HEADACHE. INTOLERANCE FOR ALCOHOL CAN OCCUR UP TO 4 DAYS AFTER DMF EXPOSURE. DMF IS CONSIDERED TO BE A POTENT LIVER TOXIN. PROLONGED CONTACT MAY PRODUCE IRRITATION OR DERMATITIS. OVEREXPOSURE MAY CAUSE REPRODUCTIVE DISORD

Explanation Of Carcinogenicity:
DIMETHYLFORMAMIDE (68-12-2): IARC MONOGRAPHS ON THE EVALUATION OF CARCINOGENIC RISK OF CHEMICALS TO MAN, VOL 47, PG 171, 1989: GROUP 2B. ANIMAL: LIVER.

Signs And Symptoms Of Overexposure:
SEE HEALTH HAZARDS.

Medical Cond Aggravated By Exposure:
N/P

First Aid:
EYES: IRRIGATE THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. CALL MD. SKIN: WASH OFF THOROUGHLY WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR IMMEDIATELY. CALL MD. INGESTION: SEEK MEDICAL ATTENTION IMMEDIATELY. 4

Spill Release Procedures:
PREVENT SKIN CONTACT BY USING RUBBER GLOVES AND WEARING LAB COAT. WEAR GOGGLES IF SPLASHING IS CONSIDERED LIKELY. IF MATERIAL IS SPILLED, ABSORB LIQUID OR VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

Neutralizing Agent:
N/P

Waste Disposal Methods:
DISPOSAL MUST BE I/A/W FEDERAL, STATE AND LOCAL REGULATIONS (FP N). DEPENDING ON LOCAL EFFLUENT DISCHARGE REGULATIONS, FLUSH TO DRAIN, OR BURN IN A CHEMICAL INCINERATOR.

Handling And Storage Precautions:
LAB PRACTICES: USE GOOD LABORATORY PRACTICES. STORE AS RECOMMENDED ON THE LABEL.

Other Precautions:
THIS PRODUCT IS INTENDED TO BE USED ONLY BY TRAINED LABORATORY PERSONNEL.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/P

Autoignition Temp:

Autoignition Temp Text:
N/P

Lower Limits:

Upper Limits:

Extinguishing Media:
USE TYPE SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:
USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard:
TOXIC FUMES SHOULD BE EMITTED WHEN HEATED TO DECOMPOSITION. 5

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:
>100.C, 212.F

B.P. Text:

Melt /Freeze Pt:
<0.C, 32.F

M.P/F.P Text:

Decomp Temp:

Decomp Text:
N/P

Vapor Pres:
N/P

Vapor Density:
N/P 6

Volatile Org Content %:

Spec Gravity:
N/P

VOC Pounds/Gallon:

PH: 5.3

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/P

Solubility in Water:
FULLY SOLUBLE

Appearance and Odor:
STRAW YELLOW LIQUID; MUSTY ODOR.

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:
INCOMPATIBILITIES: ACID ANHYDRIDES AND ACID HALIDES; BORON HYDRIDES, OXIDIZING AGENTS, CHLOROFORMATES, REDUCING AGENTS, HALOGENS.

Hazardous Decomposition Products:
N/P

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
THE PRODUCT WILL NOT POLYMERIZE.

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