

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-186/1861-40-1.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

1861-40-1

Code:

M

RTECS:

XU4550000

Code:

M

Name:

BENEFIN(OR N-BUTYL-N-ETHYL-A,A,A-TRIFLUORO,2,6-DI

Other REC Limits:

NONE SPECIFIED

OSHA PEL:

NOT ESTABLISHED

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

NOT ESTABLISHED

Code:

M N/P

ACGIH STEL:

EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem

Code:

1 ACGIH STEL:

Control Measures

Respiratory Protection:

NIOSH APPROVED RESPIRATOR FOR DUST.

Ventilation:

N/A

Protective Gloves:

N/A

Eye Protection:

DUST GOGGLES

Other Protective Equipment:

Equipment PROTECTIVE SKIN COVERING SHOULD BE WORN.

Work Hygienic Practices:

NONE SPECIFIED BY MANUFACTURER. 3

Supplemental Safety and Health:

NONE

Health Hazards Data

LD50LC50Mixture:

ORAL LD50 (RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

NO

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

N/A

Health Hazards Acute And Chronic:

ACUTE:-EYES:IRRITANT, SKIN:SLIGHT IRRITANT INHALATION:NOT CONSIDERED TO BE AN INHALATION HAZARD. INGESTION:LEG WEAKNESS,CHRONIC-REPEATED LARGE DOSES PRODUCED LIVER EFFECTS, REDUCED GROWTH AND SURVIVAL, DECREASED HEMOGLOBIN AND RED BLOOD COUNTS, AND INCREASED WEIGHTS OF THYROIDS, UTERUS, OVARIES, AND TESTES.

Explanation Of Carcinogenicity:

N/R

Signs And Symptoms Of Overexposure:

NAUSEA, HEADACHE, RASH, EYE IRRITATION, A DYSPNEA. RARE OR SINGULAR EVENTS ALSO REPORTED:FEVER, PARESTHESIA, DROWSINESS, APLASTIC ANEMIA, CHILLS, ANAPHYLACTOID REACTION, SYNCOP, ABDOMINAL CRAMPING, COUGHING, LIVER PAIN, LOSS OF MEMORY, DIAPHORESIS, MOUTH BURNING, HAND BURNING, FACE EDEMA, LOSS OF TASTE, DIZZINESS.

Medical Cond Aggravated By Exposure:

HIGHLY ALLERGIC PERSONS SHOULD TAKE PRECAUTIONS WHEN EXPOSED TO THIS PRODUCT.

First Aid:

EYES-IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER. SKIN-WASH ALL EXPOSED AREAS WITH PLENTY OF SOAP AND WATER. WASH ALL CONTAMINATED CLOTHING. INHALATION-REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY. INGESTION-DO NOT INDUCE VOMITING. CALL A PHYSICIAN OR POISON CONTROL CENTER. IF AVAILABLE, ADMINISTER ACTIVATED CHARCOAL WITH A LARGE QUANTITY OF WATER.

Spill Release Procedures:

CONTAIN MATERIAL & DISPOSE AS WASTE DO NOT CONTAMINATE ANY BODY OF WATER. SWEEP UP MATERIAL, PLACE IT AND DAMAGED, UNUSABLE CONTAINERS IN A LANDFILL APPROVED FOR PESTICIDES IN ACCORDANCE WITH APPLICABLE REGULATIONS.

Neutralizing Agent:

NOT APPLICABLE 2

Waste Disposal Methods:

SEE "SPILL-RELEASE PROCEDURE".

Handling And Storage Precautions:

DESTROY BAG WHEN EMPTY. DO NOT REUSE EMPTY BAG. DISPOSE OF THROUGH REGULAR REFUSE COLLECTION SYSTEM.

Other Precautions:

HUMAN:HARMFUL IF SWALLOWED OR ABSORBED THROUGH THE SKIN. AVOID CONTACT W/SKIN, EYES OR CLOTHING. IN CASE OF CONTACT, FLUSH W/WATER. DO NOT CONTAMINATE FOODSTUFFS-PONDS, LAKES, BY CLEANING OF EQUIP.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

>200F,>93C

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A

Lower Limits:

N/A

Upper Limits:

N/A

Extinguishing Media:

WATER, CARBON DIOXIDE, OR DRY CHEMICAL TO EXTINGUISH.

Fire Fighting Procedures:

WILL EMIT FUMES AS IT BURNS. USE SELF-CONTAINED BREATHING EQUIPMENT.

Unusual Fire/Explosion Hazard:

NONE KNOWN

Physical/Chemical Properties

HCC:

N1

NRC/State LIC No:

N/R

Net Prop WT For Ammo:

N/A

Boiling Point:

N/A

B.P. Text:

N/A

Melt/Freeze Pt:

N/R

M.P./F.P Text:

N/R

Decomp Temp:

N/R

Decomp Text:

N/R

Vapor Pres:

N/A

Vapor Density:

N/A

Volatile Org Content %:

N/A

Spec Gravity:

N/A

VOC Pounds/Gallon:

N/A

PH: 8 - 9**VOC Grams/Liter:**

N/A

Viscosity:

N/R

Evaporation Rate & Reference:

N/A

Solubility in Water:

NEGLIGIBLE

Appearance and Odor:

LOWEISH GRANULAR MATERIAL, FAINT AROMATIC ODOR.

Percent Volatiles by Volume:

N/A

Corrosion Rate:

UNKNOWN

Reactivity Data**Stability Indicator:**

YES

Stability Condition To Avoid:

NONE

Materials To Avoid:

NOT APPLICABLE

Hazardous Decomposition Products:

WILL EMIT TOXIC VAPORS AS IT BURNS.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NOT APPLICABLE

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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