

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

ACGIHSTEL:
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:
NO

Health Hazards Acute And Chronic:
ACUTE:-EYES:IRRITANT. SKIN:SLIGHT IRRITAN 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 Symptions Of Overexposure:
NAUSEA, HEADACHE, RASH, EYE IRRITATION, A DYSPNEA. RARE OR SINGULAR EVENTS ALSO REPORTED:FEVER, PARESTHESIA, DROWSINESS,APLASTIC ANEMIA, CHILLS, ANAPHYLACTOID REACTION, SYNCOPE, ABDOMINAL CRAMPING,COU GHING, LIVER PAIN, LOSS OF MEMORY, DIAPHORESIS, MOUTHBURNING, 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 FREH 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, UNUSUABLE CONTAINERS IN A LANDFILL APPROVED FOR PESTICIDES IN ACCORDANCE WITH APPLICA BLE REGULATIONS.

Neutralizing Agent:
NOT APPLICABLE 2

Waste Disposal Methods:
SEE "SPILL-RELEASE PROCEDURE".

Handling And Storage Precautions:
DESTROY BAG WHEN EMPTY. DO NO 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:

Flash Point Text:
>200F,>93C

Autoignition Temp:

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:

Boiling Point:

B.P. Text:
N/A

Melt/Freeze Pt:

M.P/F.P Text:
N/R

Decomp Temp:

Decomp Text:
N/R

Vapor Pres:
N/A

Vapor Density:
N/A

Volatile Org Content %:

Spec Gravity:
N/A

VOC Pounds/Gallon:

PH: 8 - 9

VOC Grams/Liter:

Viscosity:
N/R

Evaporation Rate & Reference:
N/A

Solubility in Water:
NEGLEGIBLE

Appearance and Odor:
YELLOWISH 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