

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-698/69806-50-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

69806-50-4

Code:

M

RTECS:

UA3000000

Code:

M

Name:

FLUAZIFOP-P-BUTYL *95-2*

Other REC Limits:

N/K

OSHA PEL:

N/K

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

N/K

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

WEAR A NIOSH-APPROVED RESPIRATOR APPROPRIATE FOR EMISSION LEVELS. APPROPRIATE RESPIRATORS MAY BE A FULL FACEPIECE/A HALF MASK AIR PURIFYING CARTRIDGE RESPIRATOR FOR ORGANIC VAPORS/MISTS/A SCBA IN PRESURE DEMAND MODE/SUPPLIED AIR RESPIRATOR.

Ventilation:

LOCAL MECHANICAL EXHAUST: CAPABLE OF MAINTAINING EMISSIONS AT THE POINT OF USE < THE LOWEST TLV.

Protective Gloves:

RUBBER

Eye Protection:

CHEMICAL GOGGLES & FULL FACE SHIELD

Other Protective Equipment:

Equipment LONG SLEEVED SHIRT, TROUSERS, SAFETY SHOES, RUBBER APRON. EYEWASH STATION & SAFETY SHOWER.

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING & SHOES; BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health:

PRE CONTD: DON'T CUT, GRIND, WELD/DRILL ON/NEAR THIS CONTAINER. CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, WILL RETAIN PRODUCT RESIDUE & VAPORS. HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL.

Health Hazards Data

LD50/LC50 Mixture:

ORAL LD50(RAT): 2.98-4.93 ML/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

NO

Ingestion:

NO

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

2 INHALATION: BREATHING VAPOR/MIST MAY IRRITATE THE NOSE & THROAT. EYES: VAPORS WILL IRRITATE. LIQUID & MISTS WILL IRRITATE & MAY BURN. SKIN: PROLONGED/REPEATED CONTACT MAY IRRITATE, CAUSING DERMATITIS. PROLONGED/REPEATED OVEREXPOSURE MAY RESULT IN DELAYED LIVER & KIDNEY DAMAGE, & DEPRESSION OF CENTRAL NERVOUS SYSTEM.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

IRRITATION, COUGHING, CHEST DISCOMFORT, BURNS, DRYNESS, HEADACHE, NAUSEA, VOMITING, UNCONSCIOUSNESS.

Medical Cond Aggravated By Exposure:

N/K

First Aid:

INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF NEEDED. EYES: IMMEDIATELY FLUSH W/LOTS OF RUNNING WATER FOR 15 MINS. SKIN: IMMEDIATELY WASH W/LOTS OF SOAP & WATER. INGESTION: DON'T INDUCE VOMITING. ASPIRATION HAZARD. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:

SMALL: MOP/WIPE UP & DISPOSE OF IN DOT-APPROVED WASTE CONTAINERS. LARGE: CONTAIN BY DIKING W/SOIL/OTHER NON-COMBUSTIBLE SORBENT MATERIAL & THEN PUMP INTO DOT-APPROVED WASTE CONTAINERS. KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATERS & SOIL.

Neutralizing Agent:

N/K

Waste Disposal Methods:

EMPTY CONTAINERS CAN HAVE RESIDUES, GASES & MISTS. DISPOSE OF CONTAMINATED PRODUCT & MATERIALS USED IN CLEANING UP/LEAKS IAW/FEDERAL, STATE & LOCAL REGULATIONS.

Handling And Storage Precautions:

KEEP AWAY FROM HEAT, SPARKS & FLAMES. STORE IN A COOL, DRY WELL VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:

ELECTRICALLY GROUND ALL EQUIPMENT WHEN HANDLING & USE ONLY NON-SPARKING TOOLS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. DON'T USE PRESSURE TO EMPTY CONTAINERS. DON'T GET IN EYES, ON SKIN/ON CLOTHING.

Fire and Explosion Hazard Information

Flash Point Method:

CC

Flash Point:**Flash Point Text:**

>100F

Autoignition Temp:**Autoignition Temp Text:**

N/A

Lower Limits:

1.1

Upper Limits:

7

Extinguishing Media:

USE DRY CHEMICAL, CO2/ALCOHOL FOAM.

Fire Fighting Procedures:

WEAR SCBA & FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL NEARBY CONTAINERS & STRUCTURES EXPOSED TO FIRE. DON'T USE WATER TO FIGHT FIRE. 3

Unusual Fire/Explosion Hazard:

EXTINGUISH ALL NEARBY SOURCES OF IGNITION.

Physical/Chemical Properties

HCC:**NRC/State Lic No:****Net Prop WT For Ammo:****Boiling Point:****B.P. Text:**

230F

Melt / Freeze Pt:**M.P/F.P Text:**

N/R

Decomp Temp:**Decomp Text:**

N/K

Vapor Pres:

2

Vapor Density:

3.6

Volatile Org Content %:

N/A

Spec Gravity:

0.89

VOC Pounds/Gallon:**PH:**

N/K

VOC Grams/Liter:

N/P

Viscosity:

N/P

Evaporation Rate & Reference:

(BU AC1 = 1):

Solubility in Water:

INSOLUBLE

Appearance and Odor:

LIGHT BROWN LIQUID W/AROMATIC SOLVENT ODOR

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K 4

Reactivity Indicator:

N/K

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

Other Information:

N/P