

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-590/590-01-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
590-01-2
Code:
M

RTECS:
UE8245000
Code:
M

Name:
N-BUTYL PROPIONATE

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:
USE NIOSH/MSHA TC23C CHEMICAL/MECHANICAL TYPE FILTER SYSTEM TO REMOVE A COMBINATION OF PARTICLES, GAS & VAPORS. USE AIR LINE IF NECESSARY.

Ventilation:
USE ADEQUATE MECHANICAL VENTILATION IN VOLUME & PATTERN TO KEEP TLV & PEL

Protective Gloves:
RUBBER

Eye Protection:
GLASSES, GOGGLES W/GUARDS, SIDESHIELDS

Other Protective Equipment:
Equipment N/K

Work Hygienic Practices:
N/K

Supplemental Safety and Health:
WT PER GAL: 6.85 LBS.

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: ANESTHETIC. IRRITATION OF RESPIRATORY, NERVOUS SYSTEM DEPRESSION, HEADACHES, NAUSEA, LOSS OF CONSCIOUSNESS. INGESTION: GASTROINTESTINAL IRRITATION INCLUDING VOMITING CAN OCCUR. ASPIRATION OF MATERIAL INTO LUNGS MAY RESULT IN CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. SKIN/EYE: IRRITATION

Explanation Of Carcinogenicity:
3 NONE

Signs And Symptions Of Overexposure:
REPEATED/PROLONGED OVEREXPOSURE TO SOLVENTS CAUSES PERMANENT CENTRAL NERVOUS SYSTEM DEPRESSION. INTENTIONAL MISUSE BY CONCENTRATING & INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. OVEREXPOSURE TO DEC OMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD W/NO SYMPTOMS IMMEDIATELY APPARENT . SKIN/EYE: IRRITATION.

Medical Cond Aggravated By Exposure:
N/K

First Aid:
INHALATION: RESTORE BREATHING. REMOVE TO FRESH AIR. KEEP WARM/QUIET . NOTIFY A PHYSICIAN. EYE: FLUSH W/COPIOUS AMOUNTS OF RUNNING WATER FOR AT LEAST 15 MINS. TAKE TO PHYSICIAN FOR DEFINITIVE MEDICAL TR EATMENT. SKIN: CLEAN & WASH AFFECTED AREA W/WATER. CONSULT PHYSICIAN. INGESTION: DON'T INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY.

Spill Release Procedures:
VENTILATE AREA. REMOVE ALL POSSIBLE SOURCES OF IGNITION. CONFINED SPILL W/INERT ABSORBENT & CLEAN UP WITH SPARK-PROOF TOOLS.

Neutralizing Agent:
N/K

Waste Disposal Methods:
DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS. LAND FILL OR INCINERATE IN APPROVED FACILITY BY LICENSED CONTRACTOR. DON'T INCINERATE IN CLOSED CONTAINER.

Handling And Storage Precautions:
DON'T STORE >120F. WHEN STORING LARGE QTYS, STORE IN BLDG DESIGNED/PROTECTED AGAINST FLAMMABLE LIQUIDS . DON'T TAKE INTERNALLY.

Other Precautions:
USE STATIC LINES WHEN MIXING/TRANSFERRING MATERIAL. DON'T ALLOW MATERIAL TO FREE FALL MORE THAN 5 INCHES. FOR INDUSTRIAL USE ONLY. DON'T FLAME CUT , WELD, OR BRAZE ON COATED METAL W/O A NIOSH/MSHA TC23 C RESPIRATOR. AVOID BREATHING OF VAPORS.

Fire and Explosion Hazard Information

Flash Point Method:
SCC

Flash Point:

Flash Point Text:
10-20F

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
1.0%

Upper Limits:
12.8%

Extinguishing Media:
FOAM, CO2, CHEMICAL POWDER

Fire Fighting Procedures:
FULL PROTECTIVE EQUIPMENT/SCBA. WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE.

Unusual Fire/Explosion Hazard:
WATER SPRAY MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP, & EXPLODE WHEN EXPOSED TO EXTREME HEAT. KEEP CONTAINER TIGHTLY CLOSED. 4

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
134-302F

Melt /Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
54.5

Vapor Density:
>AIR

Volatile Org Content %:

Spec Gravity:
N/K

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
SLOWER THAN ETHER

Solubility in Water:
N/K

Appearance and Odor:
N/K

Percent Volatiles by Volume:
100%

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HOT SURFACES, HEAT, OPEN FLAMES, ELECTRICAL EQUIPMENT, STATIC DISCHARGE, IGNITION SOURCES, SPARKS

Materials To Avoid:
STRONG ACID, ALKALIES, &OXIDIZERS 5

Hazardous Decomposition Products:
CO2, CO, SMOKE. COMBINATION OF PARTICLES, GAS &VAPORS.

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



Look for Chemicals

www.lookchem.com

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

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.