

# 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:**

N/K

**Code:**

**ACGIH TLV:**

N/K

**Code:**

M

**ACGIH STEL:**

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

**LD50/LC50 Mixture:**

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 Symptoms 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 DECOMPOSITION 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 TREATMENT. 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:**

N/K

**Flash Point Text:**

10-20F

**Autoignition Temp:**

N/A

**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:**

N/K

**Boiling Point:**

134-302F

**Melt/Freeze Pt:**

N/K

**Decomp Temp:**

N/K

**Decomp Text:**

N/K

**Vapor Pres:**

54.5

**Vapor Density:**

>AIR

**Volatile Org Content %:**

N/K

**Spec Gravity:**

N/K

**VOC Pounds/Gallon:**

N/K

**PH:**

N/K

**VOC Grams/Liter:**

N/K

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

SLOWER THAN ETHER

N/K

**Solubility in Water:**

N/K

**Appearance and Odor:**

N/K

**Percent Volatiles by Volume:**

100%

**Corrosion Rate:**

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

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