

CHRONIC HEALTH HAZARDS: Excessive exposure by any route may cause kidney and liver damage, and bladder damage.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: May adversely affect existing medical conditions, such as eye, skin, respiratory, blood, and liver and/or kidney ailments.

SECTION 4 FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids open during this flushing with water. Call a physician immediately.

SKIN CONTACT: Flush area with water while removing contaminated clothing and shoes. Follow up by washing with soap and water. Do not reuse clothing or shoes until cleaned. If irritation persists, get medical attention. Do not apply oils or ointments unless ordered by the physician.

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. Call a physician.

INGESTION: If conscious, drink a quart of water. **DO NOT INDUCE VOMITING.** Call a physician immediately. If unconscious or in convulsions, take immediately to a hospital or physician. Never induce vomiting or give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point: 12 oC Auto-Ignition: Not Determined LEL: Not Determined
UEL: Not Determined

NFPA HAZARD CLASSIFICATION:

Health: 2 Flammable: 2 Reactivity: 0

HMIS HAZARD CLASSIFICATION:

Health: 2* Flammable: 2 Reactivity: 0

* Indicates the possibility of chronic health effects. See Chronic Health Hazards in Section III for more information.

EXTINGUISHING MEDIA: Use water spray, carbon dioxide, dry chemical or foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH/MSHA approved positive-pressure self-contained breathing apparatus and protective clothing as specified in 29 CFR 1910.156.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable liquid. Product will emit toxic and corrosive gases in a fire situation.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Contain spillage; soak up with inert absorbent and scoop into container for disposal. Notification of the National Response Center (800-424-8802) may be required. Refer to EPA, DOT and applicable state and local regulations for current response information.

It is recommended that each user establish a spill prevention, control and countermeasure plan (SPCC). Such plan should include procedures applicable to proper storage, control and clean up of spills, including reuse or disposal as appropriate (see Section 11: Disposal Considerations).

****NOTE**** In the event of an accidental release of this material, the above procedures should be followed. Additionally, proper exposure controls and personal protection equipment should be used (see Section 8 - Exposure Control/Personal Protection) and disposal of the material should be in accordance with Section 11 - Disposal Considerations.

SECTION 7 HANDLING AND STORAGE

Store in tightly closed container. Store in a cool, dry location. Wash thoroughly after handling.

Use only with adequate ventilation. Do not breathe vapors or mists.

Wash hands and face after use.

Precautions to be Taken in Handling and Storage: Store away from feed and food. Do not eat, drink, or smoke while using.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:	PEL-OSHA	TLV-ACGIH
1-BROMOPROPANE Cas # 106-94-5	None established	None established
ESSENTIAL OILS Cas # In TscA	None established	None Established
PROPYL ACETATE Cas # 109-60-4	200 PPM	200 PPM
NAPHTHA Cas # In TSCA	300 PPM	300 PPM
ISOPROPANOL Cas No: 67-63-0	400 PPM	400 PPM
ORGANIC ACID Cas no : In TSCA	None established	None established

Unless otherwise noted, all values are reported as 8-hour Time-Weighted Averages (TWAs) and total dust (particulates only). All ACGIH TLVs refer to the 1992-93 Standards. All OSHA PELs refer to 29 CFR Part 1910 Air Contaminants: Final Rule, January 19, 1989.

NOTE: As a result of the July 7, 1992 decision by the U.S. Circuit Court of Appeals (AFL-CIO v. OSHA) to vacate the 1989 PELs, OSHA will no longer enforce these new limits and will return to the pre-1989 PELs. Coloramics, however, will continue to list the more protective 1989 levels.

RESPIRATORY PROTECTION: An NIOSH/MSHA-approved respirator as necessary.

VENTILATION: General - local exhaust ventilation as necessary to control any air contaminants to within their PELs or TLVs during the use of this product.

PROTECTIVE EQUIPMENT: Safety glasses (with side shields). Chemical resistant gloves should be worn. Body protection as necessary to prevent skin contact.

PERSONNEL SAMPLING PROCEDURE:

For Ethyl acetate: Refer to NIOSH Manual of Analytical Methods, 4th Edition, and Method 1457.

For Turpentine: Refer to NIOSH Manual of Analytical Methods, 4th Edition, and Method 1551.

For Butanol: Refer to NIOSH Manual of Analytical Methods, 4th Edition, and Method 1401.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Determined	Specific Gravity (H ₂ O = 1): .96 g/cc
Melting Point: Not Determined	Vapor Pressure (mm Hg): Not Determined
Vapor Density (Air=1): Not Determined	Evaporation Rate (Butyl Acetate=1): Not determined
% Solubility in Water: Insoluble	Appearance: red- orange liquid
Odor: Terpene odor	pH: Not Determined

SECTION 10 STABILITY AND REACTIVITY DATA

Stability: Generally considered stable.

Avoid Heat, open flame, sparks and other sources of ignition.

Incompatibility (materials to avoid): Strong acids, strong oxidizing agents, strong alkali.

Water will cause an exothermic reaction and the release of butanol

Hazardous Decomposition or By-Products: Thermal decomposition will produce oxides of carbon, oxides of sulfur and metal oxide fumes.

Polymerization: Polymerization is not expected to occur.

Avoid not applicable.

SECTION 11 TOXICOLOGICAL INFORMATION

CHEMICAL NAME	% WT.	LD50	LC50
1-BROMOPROPANE CAS No.: 8006-64-2	0 -99	Not available	253 g/m ³ 30 min RAT
PROPYL ACETATE CAS No.: 109-60-4	0 - 50	9370 mg/kg RAT oral	Not available
NAPHTHA Cas no: In TSCA	0 - 99	Not available	Not available
ESSENTIAL OILS Cas No : in TSCA	10 - 15	2560 mg/kg Rat Oral	Not determined
ISOPROPANOL Cas No: 67-63-0	0 - 30	3600 mg/kg Mouse oral	16970 PPM 4 4 hr RAT
ORGANIC ACID Cas no: In TSCA	0 -10	2260 mg /kg RAT oral	Not available

NOTE: See Sections 3, 8 and 12 for additional information.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY No Data available

ENVIRONMENTAL FATE No Data available

SECTION 13 DISPOSAL CONSIDERATIONS

US EPA Waste Number: D001

Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. All waste materials should be reviewed to determine the applicable hazards (testing may be necessary). Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

****NOTE**** Chemical additions, processing or otherwise altering this material may make the waste management information presented above incomplete, inaccurate or otherwise inappropriate.

SECTION 14 TRANSPORTATION INFORMATION

INTERNATIONAL: UN Number: UN1993

UNITED STATES: EPA Waste Number: D001

DOT Classification: 3 Flammable and combustible liquid

DOT Proper Shipping Name: Flammable Liquid, n.o.s.

Contains Ethyl acetate and turpentine

Packing Group: I I

CANADA: PIN Number: UN1993

EC DGL; not determined

TDG Class: 3 Flammable and combustible liquid

SECTION 15 REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA: IN TSCA

SARA 311 AND 312 HAZARD CATEGORIES

Immediate (Acute) Health Hazard: Yes

Delayed (Chronic) Health Hazard: Yes

Fire Hazard: Yes

Reactivity Hazard: No

Sudden Release of Pressure: No

SARA SECTION 313 NOTIFICATION: This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

OZONE DEPLETING SUBSTANCES (ODS): This product neither contains nor is manufactured with an ozone depleting substance subject to the labeling requirements of the Clean Air Act Amendments 1990 and 40 CFR Part 82.

VOLATILE ORGANIC COMPOUNDS (VOC): Not determined.

US STATE REGULATIONS: Volatile Organic Compound (CARB): Not Determined

CANADIAN REGULATIONS: DSL/NDSL: Not Determined

WHMIS Classification:

Class B division 2

Class D Division 2 subdivision A

Class D division 2 subdivision B