

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **100-122 N-BUTYL ACETATE**

Supplier - Manufacturer **Chemcraft International Inc.,**
155 Rose Glen Road North
P.O. Box 458
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Canada L1A 3Z3

Telephone (905) 885-6388 Fax (905) 885-5097

In case of Emergency (905) 885-6388, (800) 263-7951

For Transport Emergency or After Hours

CANUTEC (613) 996-6666

Code 100-122

Synonym N-BUTYL ACETATE

Chemical Name Not applicable.

Chemical Family Aliphatic acetate. (Solvent.)

Chemical Formula Not applicable.

Material Uses Coatings: Solvent.

Product Identification Number (PIN) 1123 BUTYL ACETATES

Section 2. Hazardous Ingredients

Exposure Limits

| Name | CAS # | % by Weight | LC ₅₀ /LD ₅₀ | TLV/PEL |
|-----------------|----------|-------------|---|---|
| n-Butyl acetate | 123-86-4 | 60-100 | ORAL (LD50): Acute: 14130 mg/kg [Rat]. 7100 mg/kg [Mouse]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit]. 8770 mg/kg [Guinea pig]. | OSHA (Canada). TWA: 150 ppm STEL: 200 ppm ACGIH (Canada, 2000). TWA: 150 ppm STEL: 200 ppm |

Trace impurities and additional material names not listed above may appear in other sections of this MSDS. These materials may be listed for toxicological concerns, local compliance, or other reasons.

Section 3. Physical Data

Physical State and Appearance Liquid.

Color Not available. **Odor** Not available. **Taste** Not available.

Molecular Weight Not applicable.

pH (1% soln/water) Not available.

Boiling Point The lowest known value is 126.5°C (259.7°F) (Acetic Acid, Butyl Ester).

Melting Point May start to solidify at -77.9°C (-108.2°F) based on data for: Acetic Acid, Butyl Ester.

Critical Temperature Not available.

Specific Gravity The only known value is 0.88 (Water = 1) (Acetic Acid, Butyl Ester).

Vapor Pressure Not available.

Vapor Density The highest known value is 4 (Air = 1) (Acetic Acid, Butyl Ester).

Volatility Not available.

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| Odor Threshold | The lowest known value is 0.04 ppm (Acetic Acid, Butyl Ester) |
| Water/Oil Dist. Coeff. | The product is more soluble in octanol. |
| Ionicity (in Water) | Not available. |
| Dispersion Properties | See solubility in water, methanol, diethyl ether, n-octanol. |
| Solubility | Easily soluble in methanol, diethyl ether. Partially soluble in n-octanol. Very slightly soluble in cold water, hot water. |

Section 4. Fire and Explosion Hazard

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| The Product is: | Flammable. |
| Fire Hazards in Presence of Various Substances | Highly flammable in presence of open flames, sparks and static discharge, of heat. |
| Fire Fighting Media and Instructions | SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. |
| Special Remarks on Fire Hazards | Vapor may travel considerable distance to source of ignition and flash back. (Acetic Acid, Butyl Ester) |
| Flash Points | The lowest known value is Closed cup: 27°C (80.6°F). (Tagliabue.). (Acetic Acid, Butyl Ester) |
| Flammable Limits | Not available. |
| Auto-Ignition Temperature | The lowest known value is 407°C (764.6°F) (Acetic Acid, Butyl Ester). |
| Products of Combustion | These products are carbon oxides (CO, CO ₂). |
| Explosion Hazards in Presence of Various Substances | Risks of explosion of the product in presence of mechanical impact: Not available. Highly explosive in presence of open flames, sparks and static discharge. |
| Special Remarks on Explosion Hazards | Not available. |

Section 5. Reactivity Data

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| Stability | The product is stable. |
| Decomposition products | Not available. |
| Conditions of Instability | Not available. |
| Incompatibility with various substances | Reactive with oxidizing agents, reducing agents, acids, alkalis. Slightly reactive to reactive with organic materials. |
| Corrosivity | Not available. |
| Special Remarks on Reactivity | Not available. |
| Special Remarks on Corrosivity | Not available. |

Section 6. Toxicological Properties

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| Routes of Entry | Absorbed through skin. Eye contact. Inhalation. Ingestion. |
| Toxicity to Animals | Acute oral toxicity (LD50): 7100 mg/kg (Mouse) (Calculated value for the mixture). Acute dermal toxicity (LD50): 5000 mg/kg (Rabbit) (Calculated value for the mixture). |
| Effects of Acute Exposure | Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer). |
| Chronic Effects on Humans | CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to blood, the nervous system. Repeated or prolonged exposure to the substance can produce target organs damage. |
| Special Remarks on Toxicity to Animals | Not available. |

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| Special Remarks on Chronic Effects on Humans | Not available. |
| Special Remarks on Other Toxic Effects on Humans | Material is irritating to mucous membranes and upper respiratory tract. (Acetic Acid, Butyl Ester) |
| Exposure Limits | Not available. |

Section 7. Preventive Measures

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| Personal Protection | Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Neoprene gloves. | |
| Personal Protection in Case of a Large Spill | Splash goggles. Full suit. Vapor respirator. Boots. Neoprene gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. | |
| Engineering Controls | Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location. | |
| Small Spill | Absorb with an inert material and put the spilled material in an appropriate waste disposal. | |
| Large Spill | Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. | |
| Waste Disposal | Waste must be disposed of in accordance with federal, state and local environmental control regulations. | |
| Precautions | Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, reducing agents, acids, alkalis. | |
| Storage | Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). | |
| TDG Classification | 3 | |
| PIN | 1123 BUTYL ACETATES | PG: III |
| Special Provisions for Transport | | |
| Federal and State Regulations | New York release reporting list: Acetic Acid, Butyl Ester Pennsylvania RTK: Acetic Acid, Butyl Ester Florida: Acetic Acid, Butyl Ester Minnesota: Acetic Acid, Butyl Ester Massachusetts RTK: Acetic Acid, Butyl Ester New Jersey: Acetic Acid, Butyl Ester TSCA 8(b) inventory: Acetic Acid, Butyl Ester TSCA 5(e) substance consent order: Acetic Acid, Butyl Ester TSCA 12(b) annual export notification: Acetic Acid, Butyl Ester SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Acetic Acid, Butyl Ester CERCLA: Hazardous substances.: Acetic Acid, Butyl Ester; | |
| Other Regulations | OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). | |
| Other Classifications | WHMIS (Canada) | Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). Class D-2B: Material causing other toxic effects (TOXIC). |
| | HCS (U.S.A.) | Class: Flammable liquid having a flash point lower than 37.8°C (100°F). Class: Target organ effects. |
| Hazardous Material Information System (U.S.A.) | Health Hazard | * 2 |
| | Fire Hazard | 3 |
| | Reactivity | 0 |
| | Personal Protection | J |

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| National Fire Protection Association (U.S.A.) | Health | 2 |
| | Fire Hazard | 3 |
| | Reactivity | 0 |
| | Specific Hazard | |

Section 8. First Aid Measures

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| Eye Contact | Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention. |
| Skin Contact | Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. |
| Hazardous Skin Contact | Not available. |
| Inhalation | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |
| Hazardous Inhalation | Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention. |
| Ingestion | Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention. |
| Hazardous Ingestion | Not available. |

Section 9. Preparation Information

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| References | -Manufacturers Material Safety Data Sheets. |
| Other Special Considerations | Not available. |
| Related Information | This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR. |
| Preparation Information | Validated by C.M. Kelly on 5/26/2004. Verified by C.M. Kelly. Printed 5/31/2004. |
| Information Contact | Prepared by the Health, Safety and Environment Department, Chemcraft International Inc., P.O. Box 458, 155, Rose Glen Road North, Port Hope, ON. Canada. Phone: 905 885-6388 Fax: 905 885-5097 |

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.