

J&M Special Effects
524 Sackett St
Brooklyn, NY, 11217
USA
+1 (718) 875-0140

PRODUCT: Butane (US) - 217 g (7.6 oz.)

CODE: AD-790010

SECTION 01: IDENTIFICATION

Product Identity..... Butane (US) - 217 g (7.6 oz.)
 Product Item Numbers..... AD-790010
 Manufacturer..... Empack Spraytech Inc.
 98 Walker Drive
 Brampton
 Ontario
 Canada
 L6T 4H6
 905-792-6571
 24 hour emergency telephone number..... In Canada: Call CANUTEC (613) 996-6666 - In The United States: Call CHEMTREC (800) 424-9300.
 Recommended Use..... Propellant.

SECTION 02: HAZARD IDENTIFICATION



Label Elements:
 Signal Word..... DANGER.
 Hazard Classification:
 Physical Hazards..... Flammable Aerosols - Category 1. Gases Under Pressure - Compressed gas.
 Health Hazards..... Not Classified.
 Hazard Statement..... H222:Extremely flammable aerosol (1). H229:Pressurized container: may burst if heated (1). H280:Contains gas under pressure; may explode if heated (C).
 Precautionary Statements:
 Prevention..... P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211:Do not spray on an open flame or other ignition source. P251:Do not pierce or burn, even after use.
 Response..... None.
 Storage..... P410+P412:Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F.
 P403:Store in a well ventilated place .
 Disposal..... None.
 Hazard(s) not otherwise classified (HNOC) Use only as directed.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Isobutane	75-28-5	80-100
Propane	74-98-6	10-30

SECTION 04: FIRST-AID MEASURES

Inhalation..... No specific effects have been reported. Supply fresh air if any irritations persists.
 Eye Contact..... Get medical attention if irritation persists. Check for and remove contact lenses. Rinse with water. If symptoms persist, seek medical attention.
 Skin Contact..... Wash thoroughly with soap and lukewarm water.
 Ingestion..... Not likely to be ingested. If occurs, do not give anything by mouth to an unconscious person. Do not induce vomiting, get medical attention.
 Most important symptoms/effects, acute .. Direct eye contact causes eye irritation.
 and delayed
 Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

PRODUCT: Butane (US) - 217 g (7.6 oz.)

CODE: AD-790010

SECTION 05: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media..... Dry chemical powder. Carbon dioxide. Foam, water spray or fog.
 Unsuitable Extinguishing Media..... Do not use water. Use water only to keep non-leaking, fire-exposed containers cool. If water is used, care should be taken, since it can generate heat and cause spattering if applied directly to sulphuric acid.
 Specific Hazards Arising from the Chemical Contents under pressure. Pressurized container may explode when exposed to heat or flame.
 Special Protective Equipment and Precautions for Firefighters Firefighters must use standard protective equipment including flame retardant coat, helmet with water to prevent vapor pressure build up. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Remove undamaged containers from immediate hazard area if it is safe to do.
 General Fire Hazards..... Extremely flammable aerosol.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures Do not ingest. Avoid contact with eyes. Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation.
 Methods and Materials for Containment and Cleaning Up Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.
 Environmental Precautions..... Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

SECTION 07: HANDLING AND STORAGE

Conditions for Safe Storage including any Incompatibilities Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store in direct sunlight. Do not handle or store near an open flame, heat or other sources of ignition. Store away from incompatible materials (see Section 10). Store a temperature between 5°C (41°F) and 50°C(122°F).
 Precautions for Safe Handling..... Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Avoid contact with eyes. Avoid breathing vapours or spray mists of this product. Contents under pressure. Use with adequate ventilation. Keep away from heat, sparks, and open flames.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Isobutane	Not available	1,000 ppm	Not available	Not available	Not available	Not available
Propane	Not available	Not available	1,000 ppm	Not available	Not available	Not available
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved. Ground all equipment and cylinders before use.					
Individual Protection Measures:						
Eye/Face Protection.....	Prevent eye contact, wear safety glasses in the event that eye contact is possible.					
Skin Protection.....	Not normally required.					
Respiratory Protection.....	Not required on a short-term basis or if exhaust ventilation is provided. Use approved NIOSH respirators for emergencies.					
Thermal Hazards.....	None Known.					
General Hygiene Considerations.....	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment prior to use.					

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance..... Colorless gas.
 Physical State..... Aerosol.
 Odour..... Odourless.
 Odour Threshold (ppm)..... Not available.
 Boiling Point (°C)..... -11.72. (Isobutane).
 Evaporation Rate (n-Butyl Acetate = 1)..... Not available.
 pH..... Not available.
 Solubility in water..... Slightly soluble.
 Vapour Pressure (psig)..... Not applicable.
 Specific Gravity (Aerosol)..... 0.520-0.570.
 Auto Ignition Temperature (Propellant), °C 460. (Isobutane).
 Flash Point (°C), Method..... -82.8. (Isobutane).
 Lower Explosive Limit (% , vol)..... 1.8. (Isobutane).

PRODUCT: Butane (US) - 217 g (7.6 oz.)

CODE: AD-790010

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Upper Explosive Limit (% vol)..... 8.4. (Isobutane).

SECTION 10: STABILITY AND REACTIVITY

Reactivity Product not reactive under normal conditions of use.
 Chemical Stability..... Stable at normal temperatures and pressures.
 Possibility of Hazardous Reactions..... Will not occur.
 Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge.
 Incompatible Materials..... Avoid contacting with oxidizers.
 Hazardous Decomposition Products..... Thermal decomposition and burning may produce carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Isobutane	658 mg/L (Rat - 4 hrs)	Not available
Propane	658 mg/L (Rat - 4 hrs)	Not available
Information on Likely Routes of Exposure:		
Routes of entry - Inhalation.....	Yes.	
Routes of entry - Skin & Eye.....	Yes.	
Routes of entry - Ingestion.....	Yes.	
Routes of entry - Skin Absorption.....	No.	
Symptoms Related to the Physical,	Irritant effects.	
Chemical and Toxicological Characteristics		
Acute Toxicity.....	Harmful if inhaled.	
Skin Corrosion/Irritation.....	Can cause frostbites.	
Serious Eye Damage/Eye Irritation.....	Direct contact with eyes causes temporary irritation.	
Respiratory or Skin Sensitization.....	Not classified.	
Germ Cell Mutagenicity.....	No information is available, and no adverse effects are expected.	
Carcinogenicity.....	Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.	
Reproductive Toxicity.....	Contains no ingredient listed as toxic to reproduction.	
STOT - Single Exposure.....	Not classified.	
STOT - Repeated Exposure.....	Not classified.	
Aspiration Hazard.....	Based on available data, the classification criteria are not met.	
Chronic Effects.....	No long term chronic effects are known or anticipated.	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment.
 Persistence and degradability The product itself has not been tested.
 Bioaccumulation Potential..... The product itself has not been tested.
 Mobility in Soil..... The product itself has not been tested.
 Other Adverse Effects..... None Known.

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods..... Dispose in accordance with local, provincial and federal regulations.

SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road)..... UN1950, AEROSOLS, Class 2.1, Ltd. Qty.
 DOT (US-Road)..... UN1950, AEROSOLS, Class 2.1, Ltd. Qty., Consumer Commodity ORM-D.
 IMDG (International- Marine)..... UN1950, AEROSOLS, Class 2.1, Ltd. Qty.
 IATA (International- Air)..... UN1950, AEROSOLS, Class 2.1, Ltd. Qty.

SECTION 15: REGULATORY INFORMATION

Canada Regulations:..... Refer to Section 2 for a WHMIS 2015 Classification for this product.
 Domestic Substances List (DSL)..... All components are listed or exempted.
 US Regulations
 TSCA Inventory Status..... All components are either listed or exempt from the TSCA.

PRODUCT: Butane (US) - 217 g (7.6 oz.)

CODE: AD-790010

SECTION 16: OTHER INFORMATION

Disclaimer..... This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR. The information contained herein is based on data considered accurate. No guarantee or warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendors or users or third parties, caused by the material. Such vendors or users assume all risks with the use of the material.

Abbreviations..... ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity.

Prepared by Regulatory Affairs
Latest Revision 2021-05-26