

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1216-0072

IDENTITY (As used on Label and List) ISOBUTANE / MULTI-FILL BUTANE	RONSON	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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Section I Chemical Family: Alkane		Aeropres Designation: AEROPRES 31 (A-31)	
Manufacturer's Name: Aeropress Corporation for Ronson Corp.		Emergency Telephone Number: (318) 221-6282 or CHEMTREC: 1-800-424-9300	
Address (Number, Street, City, State and ZIP Code) 1324 N. Hearne Ave., Suite 200 (71107)		Telephone Number for Information (318) 221-6282	
P.O. Box 78588		Date Prepared Jun-01 updated on 6/28/2001 by Ronson	
Shreveport, LA 71137-8588		Signature of Preparer (optional) Harry B. McCain	

Section II – Hazardous Ingredients/Identity Information			
Hazardous Components (Specific Chemical Identity; Common Name(s))			
CAS#	75-28-5		
ISOBUTANE	TLV	800ppm	
HMIS = (Health = 1 / Fire = 4 / Reactivity = 0)			

DOT SHIPPING INFORMATION:
 Shipping Name: **BUTANE**
 Hazard Class: **Flammable Gas 2.1**
 I.D. Number: **UN 1011**
 DOT Label: **Flammable Gas**
 DOT Placard: **Flammable Gas / 1011**
DOT / IMO LABEL
 Shipping Containers: **Cartons**

Molecular Composition (+ or – 5%)					
ISOBUTANE	PEL	UNKNOWN	PROPANE	0.000	MOLE%
Listed in TSCA	This product contains no chemicals reportable under California's Safe Drinking Water/Toxic Enforcement Act (Proposition 65)		ISOBUTANE	100.000	MOLE%
			N-BUTANE	0.000	MOLE%

Section III – Physical/Chemical Characteristic			
Boiling Point @ 1 ATM Degrees F	10.90	Specific Gravity (H2O = 1)	0.5624
Vapor Pressure (psig @ 70F)	31	Melting Point	N/A
Vapor Density (AIR = 1)	2.0068	Evaporation rate (Butyl Acetate = 1)	N/A
Solubility in Water	Slight		
Appearance and Odor	Clear, odorless gas		

Section IV – Fire and Explosion Hazard Data			
Flash Point (Method Used: Closed Cup Degrees F)	-120.00	Flammable Limits In Air Volume %	LEL 1.8 UEL 9.5
Extinguishing Media	Carbon Dioxide, dry chemical, mist or water spray		
Special Firefighting Procedures	Confine fire to immediate area; disperse liquid or vapor if spill occurs; shut off source of leak if possible.		
Unusual Fire and Explosion Hazards	Fire Hazard – dangerous.		
	Explosion hazard – moderate.		

Section V – Reactivity Data

Stability	Unstable	N/A	Conditions to Avoid
	Stable	X	N/A

Incompatibility (Materials to Avoid)

Reacts vigorously with oxidizing materials.

Hazardous Decomposition or By products

None except asphyxiation by displacement.

Hazardous Polymerization	May Occur	N/A	Condition to Avoid
	Will Not Occur	X	None Known

Section VI – Health Hazard Data

Route(s) of Entry: Inhalation Only	Skin? None	Eye? None
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Health Hazard (Acute and Chronic)

Acute Exposure: nausea, vomiting, coughing and pulmonary irritation

Chronic exposure: dizziness, weakness, peripheral numbness and nervousness.

Emergency and First Aid Procedure

Contact with liquid can freeze tissue, similar to thermal burn. May cause frostbite.

Inhalation - not considered carcinogenic. Variable simple asphyxiant /anesthetic.

Ingestion – Product does not lend itself to ingestion. Skin – No absorption through the skin.

Signs and Symptoms of Exposure

(Non toxic but may displace oxygen in air). No apparent ill effects in breathing conc of 5%

for 2 hours. Causes drowsiness in a short time in concentrations of 1%.

Medical Conditions

Generally Aggravated by Exposure

Respiratory related chronic illness (i.e. asthma, etc.)

Notes to Physician

Simple asphyxiant / Frost bite.

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Release or Spilled

Remove all Ignition sources. If applicable stop leak. Disperse vapors with water spray.

No smoking, flames or flares in hazard area.

Isolate hazard area and deny entry of non qualified emergency response personnel.

Waste Disposal Method

Dispose of product in accordance with applicable local, state and federal regulations.

Precautions to be Taken in Handling and Storage

Product is highly flammable and forms explosive mixtures with air, oxygen and all oxidizing

agents. Avoid high temperatures that may elevate component pressure above container rating.

Other Precautions

Use and store this product with adequate ventilation; use non sparking tools; electrically

ground all equipment and lines; use explosion proof equipment. (Class I group D, Division 1 & 2)

Section VIII – Control Measures

Respiratory Protection (Specify Type)

None

Ventilation	Local Exhaust To meet exposure limits.	Special Class I Group D, Division 1 & 2 (NEC)
	Mechanical (General) To meet exposure limits.	Other N/A

Protective Gloves

Impermeable type-nitrile rubber

Other Protective Clothing or Equipment

To prevent repeated or prolonged skin contact, wear impervious clothing

Work/Hygenic Practices

Availability of eyewash and safety shower station recommended.