

**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) 256750 Part# 99144  
 Form Approved FUEL,BUTANE,2.1 OZ. #BF9  
 OMB No. 1216-0072 318 ORGILL, INC.  
 Buyer: Bernard W. Aubuchon Jr.

IDENTITY (As used on Label and List) **RONSON**  
**ISOBUTANE / MULTI-FILL BUTANE**

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.

<b>Section I Chemical Family: Alkane</b>		<b>Aeropres Designation: AEROPRES 31 (A-31)</b>	
Manufacturer's Name: <b>Aeropress Corporation for Ronson Corp.</b>		Emergency Telephone Number: <b>(318) 221-6282 or CHEMTREC: 1-800-424-9300</b>	
Address (Number, Street, City, State and ZIP Code) <b>1324 N. Hearne Ave., Suite 200 (71107)</b>		Telephone Number for Information <b>(318) 221-6282</b>	
<b>P.O. Box 78588</b>		Date Prepared <b>Jun-01 updated on 6/28/2001 by Ronson</b>	
<b>Shreveport, LA 71137-8588</b>		Signature of Preparer (optional) <b>Harry B. McCain</b>	

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))		
<b>CAS# 75-28-5</b>		
<b>ISOBUTANE</b>	<b>TLV</b>	<b>800ppm</b>
<b>HMIS = (Health = 1 / Fire = 4 / Reactivity = 0)</b>		

**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**

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

**Section III - Physical/Chemical Characteristic**

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

**Section IV - Fire and Explosion Hazard Data**

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

**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
---------------------------------------	---------------	--------------

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 Released 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.