

3/7/91

MULTI-FILLS CAS #75-28-5

Section I
 Manufacturer's Name: **Ronson Consumer Products Corporation** Emergency Telephone No: **(318) 221-6282**
 Address (Number, Street, City, State, and ZIP Code): **3 Ronson Road**
Woodbridge, NJ 07095
 Chemical Name and Synonyms: **Isobutane**
 Trade Name and Synonyms: **Butane**
 Chemical Family: **Alkane** Formula: **CH₃-CH₃**
CH - CH₃ Isobutane

Section II - Hazardous Ingredients

Paints, Preservatives, and Solvents	% TLV (Units)	Alloys and Metallic Coatings	% TLV (Units)
Pigments	N/A	Base Metal	N/A
Catalyst	N/A	Alloys	N/A
Venole	N/A	Metallic Coatings	N/A
Solvents	N/A	Filter Metal Plus Coating or Core Flux	N/A
Additives	N/A	Others	N/A
Others	N/A		

Hazardous Mixtures of Other Liquids, Solids or Gases

	% TLV (Units)
NA	
Propane TLV 1,000 ppm	
Isobutane TLV 800 ppm (Estimate Only)	
HMS 1-4-0	
PEL - Propane 1,000 ppm - Isobutane (Unknown)	

Section III - Physical Data

Boiling Point (°F)	10.9	Specific Gravity (H ₂ O=1)	.5631
Vapor Pressure (mm Hg)	70°F 45.09 psia	Percent Volatile by Volume (%)	99.99
Vapor Density (Air=1)	2.010	Evaporation Rate	=1)

Solubility in Water **@ 17°C, 17cc per 1000 cc water**

Appearance and Odor **Clear, odorless gas**

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	-120°F Open Cup	Flammable Limits	LeL 1.8	UeL 8.4
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Extinguishing Media **Carbon dioxide, dry chemical, mist, or water spray**

Special Fire Fighting Procedures **Confine fire to immediate area, disperse liquid or vapor if spill or leak occurs.**

Unusual Fire and Explosion Hazards **Fire hazard, dangerous, can react with oxidizing material. Explosive hazard is severe.**

Section V - Health Hazard Data

Threshold Limit Value

Non-toxic - but may displace oxygen in air

Effects of Overexposure

Non-toxic - causes drowsiness in a short time in concentrations of 1%.

No apparent ill effects in breathing concentrations of 5% for 2 hours.

Emergency First Aid Procedures

Toxic Hazard Rating: Acute Local - None; Chronic Local - None Acute

Systemic ; inhalation slight - effects disappear after exposure. Chronic

Systemic unknown. For inhalation - fresh air. For contact with liquid, treat for frostbite. Not considered carcinogenic.

Section VI - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)

React vigorously with oxidizing materials.

Hazardous Decomposition Products

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VII - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled

Remove all ignition sources.

Vent Room and low-lying areas.

Waste Disposal Method

Burn if burning unit is available. If not, discharge at moderate rate in a well-ventilated area without ignition source.

Section VIII - Special Protection Information

Respiratory Protection (Specify Type)

Ventilation	Local Exhaust	Special
	Maintain level below .25 LEL	
	Mechanical (General)	Other
	Maintain level below .25 LEL	

Protective Gloves	Insulate against cooling effects of liquid.	Eye Protection	None required
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Other Protective Equipment

Section IX - Special Precautions

Precautions to be Taken in Handling and Storing

Flammable liquified petroleum gas, See NFPA 58.

Other Precautions