



Butane-M110-9000

Material Safety Data Sheet
May be used to comply with
Administration
OSHA Hazard Communication Standard
29 CFR 1910-1200. Standard must be
consulted for specific requirements;

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

IDENTITY(As Used on Label and List)
ISOBUTANE / MULLTI-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 no information is
available, the space must be marked to
indicate that.

Section I Chemical

Family:Alkane Aeropres Designation: AEROPRES 31(A-31)

Manufacturers
RPM, WFG.
3194 Hickory Blvd.
Hudson, NC 28638
Phone: 828-728-8266

Data Prepared:Jun-01 Updated 6/12/2003

Section II - Hazardous Ingredients/Identity Information

Hazardous Components Specific Chemical Identity: Common Name(s)

DOT SHIPPING INFORMATION:

CAS# 75-28-5 Shipping Name: BUTANE
Hazard Class 2.1
I.D. Number: UN 1011
DOT Label: Flammable Gas
DOT Placard: Flammable Gas/1011
DOT / IMO LABEL
Shipping Containers: Cartons

ISOBUTANE TLV 800ppm
HMIS=(Health=1/Fire=4/Reactivity=0)

ISOBUTANE PEL UNKNOWN PROPANE 0.000 MOLE%
ISOBUTANE 100.000 MOLE%
N-BUTANE 0.000 MOLE%

This product contains no chemicals reportable Under Californias Safe Drinking
Water/Toxic Enforcement Act (Propostition 65)
Listed in TSCA

SECTION III - Physical/Chemical Characteristics

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 (AI R=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
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Extinguishing Media
Carbon Dioxide, dry chemical, mist or waterspray

Special Fighting Procedures
Confine fire to immediate area; disperse liquid or vapor if spill occurs: shut off source of leak if possible.

Unusual Fire and Explosion Hazard
Fire hazard - dangerous.

Explosion hazard - moderate.

Section 5 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 Byproducts
None except asphyxiation by displacement

Hazardous	May Occur	N/A	Conditions to Avoid
Polymerization	Will not Occur	X	None Known

Section VI - Health Hazard Date

Routes Of Entry:	Skin?	Eye?
Inhalation Only	None	None

Health Hazards (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 bum. 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
(Nontoxic but may displace oxygen in air). No apparent ill affects 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 illnesses 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 equipmnt (Class I group D Division 1&2)

Section VIII - Control Measures

Respiratory Protection (Specify Type)

None

Ventilation Local Exhaust

To meet exposure limits.

Mechanical (General)

To meet exposure limits.

Special

Class I Group D, Division 1 & 2 (NEC)

Other

N/A

Protective Gloves

Impermeable type-nitrate 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.