

AEROPRESS CORP.

-- RONSON ISOBUTANE/MULTI-FUEL BUTANE REFILLS

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MSDS Safety Information
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FSC: 6830
NIIN: 01-454-7674
MSDS Date: 03/19/1996
MSDS Num: CKNYL
Product ID: RONSON ISOBUTANE/MULTI-FUEL BUTANE REFILLS
MFN: 01
Responsible Party
Cage: MO708
Name: AEROPRESS CORP.
Address: 1324 N HEARNE SUITE 200
Box: 78688
City: SHREVEPORT LA 71107
Info Phone Number: 908-636-2430
Emergency Phone Number: 800-535-5053 INFOTRAC
Resp. Party Other MSDS No.: AEROPRES 31 (A-31)

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Item Description Information
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Item Manager: S9G
Item Name: BUTANE
Unit of Issue: CY
Quantitative Expression: 10000000013OZ
UI Container Qty: 1
Type of Container: DISPOSABLE

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Ingredients
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Cas: 75-28-5
RTECS #: TI4300000
Name: ISOBUTANE
Percent by Wt: 100.
ACGIH TLV: 800 PPM

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Health Hazards Data
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Route Of Entry Inds - Inhalation: YES
Skin: NO
Ingestion: NO
Effects of Exposure: ACUTE: NAUSEA, VOMITING, COUGHING, AND PULMONARY IRRITATION. CONTACT WITH LIQUID CAN FREEZE TISSUE, SIMILAR TO THERMAL BURN. MAY CAUSE FROSTBITE. INHALATION: SIMPLE ASPHYXIAN/ANESTHETIC. INGESTION: PRODUCT DOES NOT LEND ITSELF TO INGESTION .SKIN: NOT ABSORBED THROUGH SKIN.
Explanation Of Carcinogenicity: NOT CONSIDERED CARCINOGENIC.
Signs And Symptions Of Overexposure: NAUSEA, VOMITING, COUGHING, AND PULMONARY IRRITATION, DIZZINESS, WEAKNESS, PERIPHERAL NUMBNESS AND NERVOUSNESS. NO APPARENT ILL EFFECTS IN BREATHING CONCENTRATION OF 6% FOR 2 HOURS. CAUSES DROWSINESS IN A SHORT TIME IN CONCENTRATIONS OF 1% . CHRONIC: DIZZINESS, WEAKNESS, PERIPHERAL NUMBNESS AND NERVOUSNESS.
Medical Cond Aggravated By Exposure: RESPIRATORY RELATED ILLNESSES (IE ASTHMA,ETC). NOTE TO PHYSICIAN: SIMPLE ASPHYXIAN/FROSTBITE.

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Handling and Disposal

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Spill Release Procedures: 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 Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE &
FEDERAL REGULATIONS.

Handling And Storage Precautions: 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-SPRAKING TOOLS, ELECTRICITY. GROUND ALL EQUIPMENT AND LINES.
USEEXPLOSION-PROOF EQUIPMENT (CLASS 1 GROUP D, DIVISION 1 & 2).

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Fire and Explosion Hazard Information
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Flash Point Method: CC

Flash Point: --84.4C, -120.F

Lower Limits: 1.8

Upper Limits: 9.5

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, MIST OR SPRAY.

Fire Fighting Procedures: CONFINE FIRE TO IMMEDIATE AREA. DISPERSE LIQUID OR
VAPOR IF SPILL OCCURS. SHUT OFF SOURCE OF LEAK IF POSSIBLE.

Unusual Fire/Explosion Hazard: FIRE HAZARD-DANGEROUS. EXPLOSION
HAZARD-MODERATE.

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Control Measures
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Respiratory Protection: NONE.

Ventilation: LOCAL EXHAUST: TO MEET EXPOSURE LIMITS. MECHANICAL GENERAL: TO
MEET EXPOSURE LIMITS. USE EXPLOSION-PROOF EQUIPMENT (CLASS 1 GROUP D,
DIVISION 1 & 2).

Protective Gloves: IMPERMEABLE-TYPE: NITRILE RUBBER.

Other Protective Equipment: TO PREVENT REPEATED OR PROLONGED SKIN CONTACT,
WEAR IMPERVIOUS CLOTHING.

Work Hygienic Practices: AVAILABILITY OF EYEWASH AND SAFETY SHOWER
RECOMMENDED.

Supplemental Safety and Health: VENDOR PART NUMBER: SF-05540.

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Physical/Chemical Properties
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HCC: G2

Boiling Point: --11.7C, 10.9F

Vapor Pres: 1603 MM HG @ 70F

Vapor Density: 31

Spec Gravity: 0.6824

Solubility in Water: SLIGHT

Appearance and Odor: CLEAR, ODORLESS GAS.

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Reactivity Data
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Stability Indicator: YES

Materials To Avoid: REACTS VIGOROUSLY WITH OXIDIZING MATERIALS.

Hazardous Decomposition Products: NONE EXCEPT ASPHYXIATION BY DISPLACEMENT.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NONE KNOWN.
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Toxicological Information

Ecological Information

MSDS Transport Information

Transport Information: DOT SHIPPING INFORMATION: BUTANE. HAZARD CLASS: 2.1.
ID

NUMBER: UN1011. DOT LABEL: FLAMMABLE GAS. DOT PLACARD: FLAMMABLE GAS/1011.

Regulatory Information

Federal Regulatory Information: LISTED IN TSCA.

Other Information

Transportation Information

Responsible Party Code: MO708
Trans ID NO: 153608
Product ID: RONSON ISOBUTANE/MULTI-FUEL BUTANE REFILLS
MSDS Prepared Date: 03/19/1996
Review Date: 10/30/2000
MFN: 1
Multiple KIT Number: 0
Unit Of Issue: CY
Container QTY: 1
Type Of Container: DISPOSABLE
Additional Data: PROPER SHIPPING NAME IS PER MSDS.

Detail DOT Information

DOT PSN Code: CFN
DOT Proper Shipping Name: BUTANE OR BUTANE MIXTURES
DOT PSN Modifier: BUTANE SEE ALSO PETROLEUM GASES, LIQUIFIED.
Hazard Class: 2.1
UN ID Num: UN1011
Label: FLAMMABLE GAS
Special Provision: 19
Non Bulk Pack: 304
Bulk Pack: 314,315
Max Qty Pass: FORBIDDEN
Max Qty Cargo: 150 KG
Vessel Stow Req: E
Water/Ship/Other Req: 40

Detail IMO Information

IMO PSN Code: CNJ
IMO Proper Shipping Name: BUTANE
IMDG Page Number: 2147
UN Number: 1011
UN Hazard Class: 2(2.1)
IMO Packaging Group: -

Subsidiary Risk Label: -
EMS Number: 2-07
MED First Aid Guide NUM: 310

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Detail IATA Information
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IATA PSN Code: DZE
IATA UN ID Num: 1011
IATA Proper Shipping Name: BUTANE
IATA UN Class: 2.1
IATA Label: FLAMMABLE GAS
Packing Note Passenger: FORB
Max Quant Pass: FORB
Max Quant Cargo: 150KG
Packaging Note Cargo: 200
Exceptions: A1

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Detail AFI Information
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AFI PSN Code: DZE
AFI Proper Shipping Name: BUTANE OR BUTANE MIXTURES, SEE ALSO PETROLEUM
GASES, LIQUIFIED
AFI Hazard Class: 2.1
AFI UN ID NUM: UN1011
Special Provisions: P4
Back Pack Reference: A6.3, A6.7

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HAZCOM Label
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Product ID: RONSON ISOBUTANE/MULTI-FUEL BUTANE REFILLS
Cage: MO708
Assigned IND: Y
Company Name: AEROPRESS CORP.
Street: 1324 N HEARNE SUITE 200
PO Box: 78688
City: SHREVEPORT LA
Zipcode: 71107
Health Emergency Phone: 800-535-5053 INFOTRAC
Label Required IND: Y
Date Of Label Review: 10/30/2000
Status Code: C
Year Procured: 2000
Origination Code: F
Skin Protection IND: YES
Signal Word: DANGER
Respiratory Protection IND: YES
Health Hazard: Moderate
Contact Hazard: Slight
Fire Hazard: Severe
Reactivity Hazard: None

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