



# SAFETY DATA SHEET

## SECTION 1 — PRODUCT IDENTIFICATION

**Product identifier:** AlbaChem Big Shot

**Product Number:** 1340

**Manufacturer's name and address:** Refer to supplier

**Supplier name and address:**

***ALBATROSS USA INC./EXPERT WORLDWIDE***

36-41 36<sup>th</sup> Street  
Long Island City, New York  
United States  
11106  
718-392-6272

5439 San Fernando Road West  
Los Angeles, California  
United States  
90039  
818-543-5850

**Emergency Telephone #:** Chemtrec (Day or Night) 800-424-9300  
(For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident)

This MSDS complies with 29CFR 19190.1200 (Hazard Communication Standard) and WHMIS regulations.

**IMPORTANT:** Read this MSDS before handling and disposing of this product. Pass this information on to employees, customer, and users of this product.

## SECTION 2 — HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

GHS-CA classification

Flam. Gas 1      H220  
Liquefied gas      H280

### 2.2. Label elements

Hazard pictograms (GHS-CA)



Signal word (GHS-CA) : Danger

Hazard statements (GHS-CA) : H220 - Extremely flammable gas  
H280 - Contains gas under pressure; may explode if heated

Precautionary statements (GHS-CA) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely.  
 P381 - In case of leakage, eliminate all ignition sources.  
 P410+P403 - Protect from sunlight. Store in a well-ventilated place.

## SECTION 3 — COMPOSITION/INFORMATION OF INGREDIENTS

### 3.1. Substance

Name	Product Identifier	%
1, 1-Difluoroethane	(CAS No) 75-37-6	100

Not applicable

## SECTION 4 — FIRST AID MEASURES

### 4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists.

First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause respiratory tract irritation.

Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.. May cause frostbite.

Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. May cause frostbite.

Symptoms/injuries after ingestion : May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

### 4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible)

## SECTION 5 — FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>), dry chemical powder, foam.

Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable gas. Products of combustion may include, and are not limited to: oxides of carbon.

Explosion hazard : Contains gas under pressure; may explode if heated. May form flammable/explosive vapour-air mixture.

### 5.3. Advice for firefighters

Firefighting instructions : Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so.

Protection during firefighting : Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Use water spray to keep fire-exposed containers cool.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Eliminate every possible source of ignition.

### 6.2. Environmental precautions

No additional information available

### 6.3. Methods and material for containment and cleaning up

For containment : Eliminate sources of ignition. Stop leak if safe to do so. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for cleaning up : Provide ventilation. Keep upwind. Evacuate area and remove ignition sources.

#### 6.4. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal

## SECTION 7 — HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling : Keep away from sources of ignition - No smoking. Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharge. Use explosion-proof equipment. Use only non-sparking tools. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Use only in well-ventilated areas. When using do not eat, drink or smoke.

Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Store in a cool, dry, well ventilated place away from incompatible materials. Do not store at temperatures above 49 °C / 120 °F. Keep away from sources of ignition.

### 7.3. Specific end use(s)

Not available.

## SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Hand protection	: Chemical-resistant gloves.
Eye protection	: Safety glasses with side shields.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: A NIOSH approved respirator is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## SECTION 9 — PHYSICAL & CHEMICAL DATA

### 9.1. Information on basic physical and chemical properties

Physical state	: Gas
Appearance	: Clear
Colour	: Colourless
Odour	: Slightly ethereal
Odour threshold	: Mild
pH	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: < 0.02
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: -25 °C
Flash point	: < -50 °C PMCC
Critical temperature	: 454 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available

Flammability (solid, gas)	: Flammable
Vapour pressure	: 63 (PSIG @ 70°F/21°C)
Vapour pressure at 50 °C	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.9
Relative density of saturated gas/air mixture	: No data available
Density	: No data available
Relative gas density	: No data available
Solubility	: Water: 0 - 1 %; Negligible.
Partition coefficient: n-octanol/water	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, kinematic (calculated value) (40 °C)	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
Lower explosive limit (LEL)	: No data available
Upper explosive limit (UEL)	: No data available

## 9.2. Other information

VOC content : < 0.0001 %

# SECTION 10 — STABILITY & REACTIVITY

## 10.1. Reactivity

No additional information available

## 10.2. Chemical stability

Stable under normal storage conditions. Extremely flammable gas. Contains gas under pressure; may explode if heated.

**10.3. Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use.

**10.4. Conditions to avoid**

Heat. Incompatible materials. Ignition sources.

**10.5. Incompatible materials**

Oxidizing materials, strong acids, strong bases alkali and alkaline earth metals, powdered metals.

**10.6. Hazardous decomposition products**

May include, and are not limited to: oxides of carbon, hydrofluoric acid, carbonyl fluoride

**SECTION 11 — TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

Acute toxicity : Not classified.

Gust Easy Duster	
LD50 Oral Rat	No Data Available
LD50 Dermal Rabbit	No Data Available
LC50 Inhalation Rat	No Data Available

Skin corrosion/irritation : Based on available data, the classification criteria are not met.

Serious eye damage/irritation : Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation : Based on available data, the classification criteria are not met.

Germ cell mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : Based on available data, the classification criteria are not met.

Reproductive toxicity : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure) : Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure) : Based on available data, the classification criteria are not met.

Aspiration hazard : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation : May cause respiratory tract irritation.

Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause frostbite.

Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. May cause frostbite.

Symptoms/injuries after ingestion : May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

**SECTION 12 — ECOLOGICAL INFORMATION**

**12.1. Toxicity**

Ecology – general : May cause long-term adverse effects in the aquatic environment.

**12.2. Persistence and degradability**

Gust Easy Duster	
Persistence and Degradability	Not Established

**12.3. Bioaccumulative potential**

Gust Easy Duster	
Bioaccumulative Potential	Not Established

**12.4. Mobility in soil**

No additional information available

**12.5. Other adverse effects**

No additional information available

**SECTION 13 — DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

Additional information : Handle empty containers with care because residual vapours are flammable.

**SECTION 14 — TRANSPORT INFORMATION**

In accordance with Transportation of Dangerous Goods

**Transportation of Dangerous Goods**

UN-No. (TDG) : UN1030



TDG Proper Shipping Name : REFRIGERANT GAS R 152a

TDG Primary Hazard Classes : 2.1

Hazard labels (TDG) :



## SECTION 15 — REGULATORY INFORMATION

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

## SECTION 16 — OTHER INFORMATION

Date of issue : 02/18/2016

Revision date : 03/02/2016

Other information : None.

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