

# Material Safety Data Sheet

Issuing Date 29-Mar-2013

Revision Date 03-Jun-2008

Revision Number 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Scripto

**UN-No** UN1057

**Recommended Use** Lighters.

**Supplier Address**

DM Imports, LTD.  
718 Adams St Ste A, Carmel, IN, 46032  
US  
Phone:317-575-9743  
Fax:317-575-1770  
Contact:Amy Bullick  
Contact Phone:1-800-655-5137  
Emergency Phone: 317-339-7840

**Company Emergency Phone Number** 317-339-7840

## 2. HAZARDS IDENTIFICATION

**DANGER!**

### Emergency Overview

EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE  
MAY BE HARMFUL IF ABSORBED THROUGH SKIN  
May be harmful if inhaled  
May cause drowsiness and dizziness

**Appearance** Colorless

**Physical State** Liquid, Compressed  
liquefied gas.

**Odor** Slight

**Potential Health Effects**

**Principle Routes of Exposure**

Inhalation. Skin contact. Eye contact.

**Acute Toxicity**

**Eyes**

Contact with product may cause frostbite.

**Skin**

Harmful in contact with skin.

**Inhalation**

Readily forms high vapor concentrations May cause drowsiness and dizziness.

**Ingestion**

Not an expected route of exposure.

**Chronic Effects**

Prolonged exposure may cause chronic effects. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**Aggravated Medical Conditions**

Central nervous system.

**Interactions with Other Chemicals**

Use of alcoholic beverages may enhance toxic effects.

**Environmental Hazard**

See Section 12 for additional Ecological Information.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Isobutane	75-28-5	60-100
N-Butane	106-97-8	3-7

### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin Contact</b>	Clothing frozen to the skin should be thawed before being removed. In case of contact with liquefied gas, thaw frosted parts with lukewarm water. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. In the case of skin irritation or allergic reactions see a physician.
<b>Inhalation</b>	Move victim to fresh air. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
<b>Ingestion</b>	Not an expected route of exposure. Do NOT induce vomiting. Call a physician or Poison Control Center immediately.
<b>Notes to Physician</b>	Treat symptomatically.
<b>Protection of First-aiders</b>	Remove all sources of ignition.

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	EXTREMELY FLAMMABLE Containers may explode when heated.
<b>Flash Point</b>	-34C / -29F
<b>Suitable Extinguishing Media</b>	Dry chemical or CO <sub>2</sub> . Water spray or fog.
<b>Uniform Fire Code</b>	<ul style="list-style-type: none"> <li>• Compressed Gas: Flammable</li> <li>• Propane/Liquefied Petroleum Gas</li> </ul>
<b>Unsuitable Extinguishing Media</b>	DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED.
<b>Hazardous Combustion Products</b>	Carbon oxides.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	No.
<b>Specific Hazards Arising from the Chemical</b>	Will be easily ignited by heat, sparks or flames. Will form explosive mixtures with air. Vapors from liquefied gas are initially heavier than air and spread along ground. Vapors may travel to source of ignition and flash back. Ruptured cylinders may rocket.
<b>Sensitivity to Static Discharge</b>	Yes.
<b>Protective Equipment and Precautions for Firefighters</b>	Move containers from fire area if you can do it without risk.
<b>NFPA</b>	<b>Health Hazard</b> 1 <b>Flammability</b> 4 <b>Stability</b> 0 <b>Physical and Chemical Hazards</b> -

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not attempt to stop leak, due to danger of explosion Ensure adequate ventilation. Pay attention to flashback. Contents under pressure.
<b>Environmental Precautions</b>	Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material. Prevent spreading of vapors through sewers, ventilation systems and confined areas.
<b>Methods for Containment</b>	If possible, turn leaking containers so that gas escapes rather than liquid. Isolate area until gas has dispersed.
<b>Methods for Cleaning Up</b>	Do not direct water at spill or source of leak.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Avoid breathing vapors or mists. Keep away from open flames, hot surfaces and sources of ignition. Contents under pressure. Do not puncture or incinerate cans.
<b>Storage</b>	Keep out of the reach of children. Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in an area equipped with sprinklers

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isobutane 75-28-5	TWA: 1000 ppm	N/A	N/A
N-Butane 106-97-8	TWA: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

<b>Other Exposure Guidelines</b>	Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).
<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection</b>	Safety glasses with side-shields.
<b>Skin and Body Protection</b>	Protective gloves.
<b>Respiratory Protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Colorless.	<b>Odor</b>	Slight.
<b>Odor Threshold</b>	No information available	<b>Physical State</b>	Liquid Compressed liquefied gas
<b>pH</b>	UNKNOWN		
<b>Flash Point</b>	-29F / -34C	<b>Autoignition Temperature</b>	No information available
<b>Decomposition Temperature</b>	No information available	<b>Boiling Point/Range</b>	-12°C / 11°F
<b>Melting Point/Range</b>	No information available		
<b>Flammability Limits in Air</b>	No information available	<b>Explosion Limits</b>	No information available
<b>Water Solubility</b>	Insoluble in water.	<b>Solubility</b>	No information available
<b>Evaporation Rate</b>	No information available	<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available	<b>Partition Coefficient: n-octanol/water</b>	

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions. Heating may cause an explosion
<b>Incompatible Products</b>	Take any precaution to avoid mixing with combustibles
<b>Conditions to Avoid</b>	Extremes of temperature and direct sunlight. Keep away from open flames, hot surfaces and sources of ignition.
<b>Hazardous Decomposition Products</b>	Hydrocarbons.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Product Information</b>	May be harmful by inhalation. Product is harmful by skin contact
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Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Isobutane	-	-	= 658 mg/L ( Rat ) 4 h
N-Butane	-	-	= 658 g/m <sup>3</sup> ( Rat ) 4 h

### Chronic Toxicity

<b>Chronic Toxicity</b>	Prolonged exposure may cause chronic effects. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.
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<b>Target Organ Effects</b>	Central nervous system (CNS).
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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Ecotoxicity effects of component substances.

Chemical Name	Log Pow
Isobutane	2.88
N-Butane	2.89

**13. DISPOSAL CONSIDERATIONS**

<b>Waste Disposal Methods</b>	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).
<b>Contaminated Packaging</b>	Dispose of in accordance with local regulations.
<b>US EPA Waste Number</b>	D001
<b>California Hazardous Waste Codes</b>	213

**14. TRANSPORT INFORMATION**

<b>Emergency Response Guide Number</b>	115
<b>DOT</b>	
<b>Description</b>	UN1057, LIGHTERS, 2.1
<b>TDG</b>	
<b>Description</b>	UN1057, LIGHTER REFILLS, 2.1
<b>MEX</b>	
<b>Description</b>	UN1057 LIGHTERS, 2.1
<b>ICAO</b>	
<b>Description</b>	UN1057, LIGHTERS, 2.1
<b>IATA</b>	
<b>Description</b>	UN1057, LIGHTERS, 2.1
<b>IMDG/IMO</b>	
<b>Description</b>	UN1057, LIGHTERS, 2.1

## 15. REGULATORY INFORMATION

### International Inventories

TSCA Complies  
DSL Not determined

### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	No

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### U.S. State Regulations

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Isobutane	X	X	X		
N-Butane	X	X	X		

### International Regulations

Mexico - Grade Severe risk, Grade 4

Chemical Name	Carcinogen Status	Exposure Limits
N-Butane		Mexico: TWA 800 ppm Mexico: TWA 1900 mg/m <sup>3</sup>

#### **Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

A Compressed gases  
B5 Flammable aerosol  
D2B Toxic materials

**16. OTHER INFORMATION**

<b>Issuing Date</b>	29-Mar-2013
<b>Revision Date</b>	03-Jun-2008
<b>Revision Note</b>	No information available

**General Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**