



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product number** 727-004  
**Product name** **Flex-O Spray Coat**  
**Effective date** 24-Aug-2011  
**Company information** Sprayway, Inc.  
1005 Westgate  
Addison, IL 60101 United States  
**Company phone** General Assistance 630-543-7600  
**Emergency telephone US** 800-424-9300  
**Emergency telephone outside US** 703-527-3887  
**Version #** 05  
**Supersedes date** 08-Jul-2011

## 2. Hazards Identification

**Emergency overview** Aerosol. EXTREMELY FLAMMABLE  
CONTENTS UNDER PRESSURE.  
Will be easily ignited by heat, spark or flames. Irritating to skin. Irritating to eyes. Irritating to respiratory system.

**Potential health effects**

**Routes of exposure** Inhalation. Eye contact. Skin contact.

**Eyes** Causes eye irritation.

**Skin** Irritating to skin.

**Inhalation** Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Irritating to respiratory system.

**Ingestion** Exposure by ingestion of an aerosol is unlikely.

**Target organs** Central nervous system.

**Chronic effects** May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage.

**Signs and symptoms** Narcosis.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
n-Butane	106-97-8	50 - 60
Propane	74-98-6	20 - 30
Aliphatic Petroleum Solvent	64742-89-8	5 - 8
Non-hazardous and other components below reportable levels		5 - 8

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Skin contact** Wash off immediately with plenty of water. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops and persists.

**Inhalation** If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.

**Ingestion** Do not induce vomiting without advice from poison control center. In the unlikely event of swallowing contact a physician or poison control center.

**Notes to physician** Symptoms may be delayed.

## 5. Fire Fighting Measures

<b>Flammable properties</b>	Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Foam. Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Do not use water jet.
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Fire may produce irritating, corrosive and/or toxic gases.
<b>Protective equipment and precautions for firefighters</b>	In case of fire and/or explosion do not breathe fumes. Containers should be cooled with water to prevent vapor pressure build up.

## 6. Accidental Release Measures

<b>Methods for containment</b>	Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk.
<b>Methods for cleaning up</b>	Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

## 7. Handling and Storage

<b>Handling</b>	Pressurized container: Do not pierce or burn, even after use. Do not smoke while using or until sprayed surface is thoroughly dry. Use only in area provided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Do not re-use empty containers. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin. Avoid contact with eyes. Wear personal protective equipment. Avoid prolonged exposure.
<b>Storage</b>	Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat, sparks, and flame. Avoid exposure to long periods of sunlight. Store in cool place. Keep in an area equipped with sprinklers. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. Level 3 Aerosol.

## 8. Exposure Controls / Personal Protection

### Exposure limits

#### ACGIH

Components	CAS #	TWA	STEL	Ceiling
n-Butane	106-97-8	1000 ppm	Not established	Not established
Propane	74-98-6	1000 ppm	Not established	Not established

#### OSHA

Components	CAS #	TWA	STEL	Ceiling
Propane	74-98-6	1000 ppm	Not established	Not established

### Personal protective equipment

<b>Eye / face protection</b>	Not normally needed. Chemical goggles are recommended.
<b>Skin protection</b>	No special protective equipment required.
<b>Respiratory protection</b>	No personal respiratory protective equipment normally required. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Compressed liquefied gas.
<b>Boiling point</b>	10.4 °F (-12.2 °C) estimated
<b>Color</b>	clear colorless
<b>Density</b>	0.5855 g/cm <sup>3</sup> estimated

<b>Flammability (HOC)</b>	39.8116 kJ/g estimated
<b>Flash back</b>	Yes
<b>Flash point</b>	-156 °F (-104.4 °C) Propellant
<b>Form</b>	Aerosol.
<b>Freezing point</b>	Not available
<b>Odor</b>	Characteristic.
<b>pH</b>	Not applicable
<b>Physical state</b>	Liquid.
<b>Pressure</b>	65 - 80 psig @ 70F
<b>Solubility</b>	Negligible
<b>Specific gravity</b>	0.5856

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Risk of ignition. Material is stable under normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological Information

<b>Acute effects</b>	Acute LD50: 37500 mg/kg estimated, Rat, Dermal	
<b>Component analysis - LD50</b>		
<b>Toxicology Data - Selected LD50s and LC50s</b>		
Aliphatic Petroleum Solvent	64742-89-8	Oral LD50 Mouse 5000 mg/kg; Dermal LD50 Rabbit 3000 mg/kg
n-Butane	106-97-8	Inhalation LC50 Rat 658 mg/L 4 h
Propane	74-98-6	Inhalation LC50 Rat 658 mg/L 4 h
<b>Sensitization</b>	Not expected to be hazardous by OSHA criteria.	
<b>Teratogenicity</b>	Not expected to be hazardous by OSHA criteria.	

## 12. Ecological Information

<b>Ecotoxicity</b>	IC50 58750 mg/L, Algae, 72.00 Hours, Components of this product have been identified as having potential environmental concerns.
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## 13. Disposal Considerations

<b>Waste codes</b>	D001: Waste Flammable material with a flash point <140 F
<b>Disposal instructions</b>	Contents under pressure. Dispose of this material and its container to hazardous or special waste collection point. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

## 14. Transport Information

### Department of Transportation (DOT) Requirements

#### Basic shipping requirements:

<b>Proper shipping name</b>	Consumer commodity
<b>Hazard class</b>	ORM-D
<b>Subsidiary hazard class</b>	None
<b>Additional information:</b>	
<b>Packaging exceptions</b>	156, 306
<b>Packaging non bulk</b>	156, 306
<b>Packaging bulk</b>	None

**IMDG****Basic shipping requirements:**

**Proper shipping name** AEROSOLS  
**Hazard class** 2.1  
**UN number** 1950  
**Additional information:**  
**Packaging exceptions** LTD QTY  
**Item** 5F  
**Labels required** None  
**Transport Category** 2

**IATA****Basic shipping requirements:**

**Proper shipping name** Aerosols, flammable  
**Hazard class** 2.1  
**UN number** 1950  
**Additional information:**  
**Packaging exceptions** LTD QTY  
**Labels required** 2.1



<b>15. Regulatory Information</b>
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**US federal regulations**

OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119.  
 This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
 CERCLA/SARA Hazardous Substances - Not applicable.

**Occupational Safety and Health Administration (OSHA)**

**29 CFR 1910.1200 hazardous chemical** Yes

**CERCLA (Superfund) reportable quantity**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Section 302 extremely hazardous substance** No  
**Section 311 hazardous chemical** Yes  
**Hazard categories (311/312)** Immediate Hazard - Yes  
 Delayed Hazard - No  
 Fire Hazard - Yes  
 Pressure Hazard - Yes  
 Reactivity Hazard - No

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations****U.S. - Pennsylvania - RTK (Right to Know) List**

Chemical Name	Inventory Number	Present
Aliphatic Petroleum Solvent	64742-89-8	Present
n-Butane	106-97-8	Present
Propane	74-98-6	Present

## 16. Other Information

<b>Further information</b>	HMIS® is a registered trade and service mark of the NPCA.
<b>HMIS® ratings</b>	Health: 1 Flammability: 4 Physical hazard: 0
<b>Disclaimer</b>	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. The information in the sheet was written based on the best knowledge and experience currently available.
<b>MSDS sections updated</b>	Product and Company Identification: Product and Company Identification
<b>Prepared by</b>	Regulatory Compliance