



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product number F829-002-0411ME
Product name **Spot Lifter Powder Type**
Effective date 01-Apr-2011
Company information Sprayway Inc
484 Vista Ave
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 # 03
Supersedes date 26-Oct-2009

2. Hazards Identification

Emergency overview CONTENTS UNDER PRESSURE. Aerosol. Cancer hazard. Irritating to eyes. Prolonged exposure may cause chronic effects.

Potential health effects

Routes of exposure Skin contact. Ingestion.

Eyes Contact with eyes may cause irritation.

Skin Contact with skin may cause irritation.

Inhalation Intentional misuse by concentrating and inhaling the product can be harmful or fatal. May cause irritation of respiratory tract. May cause cancer by inhalation.

Ingestion Exposure by ingestion of an aerosol is unlikely. May cause stomach distress, nausea or vomiting. Components of the product may be absorbed into the body by ingestion.

Target organs Kidney. Central nervous system. Liver. Lungs. Skin.

Chronic effects Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

3. Composition / Information on Ingredients

Components	CAS #	Percent
Methylene Chloride	75-09-2	30 - 60
Propane	74-98-6	15 - 40
Perchloroethylene	127-18-4	15 - 40
Propylene Oxide	75-56-9	0.1 - 1
Non-hazardous and other components below reportable levels		1 - 5

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Continue rinsing. Call a physician or Poison Control Center immediately.

Skin contact Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. Call a physician or Poison Control Center immediately. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.

Inhalation Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or Poison Control Center immediately.

Ingestion

If material is ingested, immediately contact a poison control center. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without advice from poison control center. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

5. Fire Fighting Measures

Flammable properties	Ruptured cylinders may rocket.
Extinguishing media	
Suitable extinguishing media	Water. Water spray. Water fog. Dry chemical. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Protection of firefighters	
Protective equipment and precautions for firefighters	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent vapor pressure build up. Do not direct water at source of leak or safety devices; icing may occur. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Cool containers with flooding quantities of water until well after fire is out. Some of these materials, if spilled, may evaporate leaving a flammable residue.
Unusual fire & explosion hazards	Ruptured cylinders may rocket.

6. Accidental Release Measures

Methods for containment	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. If possible, turn leaking containers so that gas escapes rather than liquid. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Clean up in accordance with all applicable regulations. Should not be released into the environment. Ventilate the contaminated area. 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 contaminated surface thoroughly. After removal flush contaminated area thoroughly with water.

7. Handling and Storage

Handling	Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. When using do not smoke. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not use if spray button is missing or defective. Use only with adequate ventilation. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not get this material on clothing. Wear personal protective equipment. Wash hands after handling and before eating. Avoid prolonged exposure.
Storage	Level 1 Aerosol. Contents under pressure. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Avoid exposure to long periods of sunlight. Keep at temperature not exceeding 49 °C. Keep in an area equipped with sprinklers. Keep out of the reach of children. Level 1 Aerosol (NFPA 30B) Do not store, incinerate, or heat this material above 120 degrees Fahrenheit.

8. Exposure Controls / Personal Protection

Exposure limits**ACGIH**

Components	CAS #	TWA	STEL	Ceiling
Methylene Chloride	75-09-2	50 ppm	Not established	Not established
Propane	74-98-6	1000 ppm	Not established	Not established
Perchloroethylene	127-18-4	25 ppm	100 ppm	Not established
Propylene Oxide	75-56-9	2 ppm	Not established	Not established

Personal protective equipment

Eye / face protection	Wear chemical goggles.
Skin protection	Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing. Wear chemical protective equipment that is specifically recommended by the manufacturer.
Respiratory protection	Wear positive pressure self-contained breathing apparatus (SCBA). If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

9. Physical & Chemical Properties

Appearance	Compressed liquefied gas.
Boiling point	77 °F (25 °C) estimated
Color	Off-white.
Evaporation rate	Not available
Flammability (HOC)	12.0743 kJ/g estimated
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Flash back	No
Flash point	-156 °F (-104.4 °C) Propellant
Form	Compressed gas. Aerosol.
Freezing point	Not available
Odor	Characteristic.
Odor threshold	Not available
pH	Not applicable
Physical state	Liquid.
Pressure	80 - 90 psig @ 70F
Specific gravity	0.9225 estimated

10. Chemical Stability & Reactivity Information

Chemical stability	Risk of ignition.
Conditions to avoid	Aerosol containers are unstable at temperatures above 49°C. Avoid high temperatures.
Hazardous decomposition products	Hydrogen chloride. Irritants. Toxic gas. May include oxides of sulphur.

11. Toxicological Information

Acute effects Acute LC50: 1409 mg/l/4h estimated, Rat, Inhalation

Component analysis - LD50

Toxicology Data - Selected LD50s and LC50s

Methylene Chloride	75-09-2	Oral LD50 Rat >2000 mg/kg; Inhalation LC50 Rat 76000 mg/m3 4 h
Perchloroethylene	127-18-4	Inhalation LC50 Rat 4000 ppm 4 h; Oral LD50 Rat 2629 mg/kg; Dermal LD50 Mouse 2800 mg/kg
Propane	74-98-6	Inhalation LC50 Rat 658 mg/L 4 h
Propylene Oxide	75-56-9	Oral LD50 Rat 520 mg/kg

Sensitization Not expected to be hazardous by WHMIS criteria.

Carcinogenicity Hazardous by WHMIS criteria. Cancer hazard.

ACGIH - Threshold Limit Values - Carcinogens

Methylene Chloride	75-09-2	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
Perchloroethylene	127-18-4	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
Propylene Oxide	75-56-9	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

IARC - Group 2A (Probably Carcinogenic to Humans)

Perchloroethylene 127-18-4 Monograph 63 [1995]; Supplement 7 [1987]

IARC - Group 2B (Possibly Carcinogenic to Humans)

Methylene Chloride	75-09-2	Monograph 71 [1999]; Supplement 7 [1987]
Propylene Oxide	75-56-9	Monograph 60 [1994]; Supplement 7 [1987]

Mutagenicity Not expected to be hazardous by WHMIS criteria.

Teratogenicity Not expected to be hazardous by WHMIS criteria.

Chronic toxicity

Hazardous by WHMIS criteria. Prolonged exposure may cause chronic effects.

12. Ecological Information**Ecotoxicity**

Components of this product are hazardous to aquatic life.

LC50 23.22 mg/L estimated, Fish, 96.00 Hours,
EC50 34.94 mg/L estimated, Daphnia, 48.00 Hours,**Environmental effects**

Harmful to aquatic life.

13. Disposal Considerations**Disposal instructions**

Contents under pressure. Dispose of this material and its container at hazardous or special waste collection point. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

14. Transport Information**Canadian Transportation of Dangerous Goods (TDG) Requirements**

Proper shipping name	AEROSOLS, flammable, containing substances in Class 6.1, packing group III
Hazard class	2.1
Subsidiary hazard class	6.1
UN number	UN1950
Marine pollutant	•
Special provisions	80 SOR/2002-306
Packaging exceptions	If <1L: Consumer Commodity

**15. Regulatory Information****Canadian regulations**

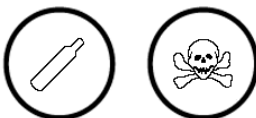
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Canada - WHMIS - Ingredient Disclosure List

Methylene Chloride	75-09-2	0.1 %
Perchloroethylene	127-18-4	1 %
Propylene Oxide	75-56-9	1 %

WHMIS status

Controlled

WHMIS classificationA - Compressed Gas
D1B - Immediate/Serious-TOXIC
D2A - Other Toxic Effects-VERY TOXIC
D2B - Other Toxic Effects-TOXIC**WHMIS labeling****Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
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)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
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)

Product name: Spot Lifter Powder Type

MSDS CANADA

Product #: 829-002 Revision date: 01-APR-2011 Print date: 01-APR-2011

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16. Other Information

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. 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.

MSDS sections updated

Product and Company Identification: Product and Company Identification
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Physical & Chemical Properties: Physical & Chemical Properties

Prepared by

Regulatory Compliance