

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product number 077-004
Product name All Purpose Dry Lubricant & Release Agent
Effective date 03-Mar-2011
Company information Sprayway Inc
1005 Westgate Dr
Addison, IL United States
Company phone General Assistance 630-543-7600
Emergency telephone US 800-424-9300
Emergency telephone outside US 703-527-3887
Version # 07
Supersedes date 13-Aug-2010
Expiry Date 31-Oct-2011

2. Hazards Identification

Emergency overview Flammable aerosol. Yields a flame projection at full valve opening or a flashback at any degree of valve opening. Heat may cause the containers to explode. CONTENTS UNDER PRESSURE.
Irritating to eyes. Irritating to skin. Prolonged exposure may cause chronic effects.

Potential health effects

Routes of exposure Eye contact. Skin contact. Ingestion.

Eyes Contact may irritate or burn eyes. Health injuries are not known or expected under normal use.

Skin Irritating to skin. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Health injuries are not known or expected under normal use.

Inhalation Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Irritating to respiratory system. Prolonged inhalation may be harmful. Health injuries are not known or expected under normal use.

Ingestion Exposure by ingestion of an aerosol is unlikely. Components of the product may be absorbed into the body by ingestion. Health injuries are not known or expected under normal use.

Target organs Central nervous system. Eyes. Lungs. Skin.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Acetone	67-64-1	15 - 40
Propane	74-98-6	15 - 40
n-Butane	106-97-8	15 - 40
Aliphatic Petroleum Solvent	64742-89-8	10 - 30
Synthetic Isoparaffinic Hydrocarbon	64742-47-8	5 - 10
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. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Skin contact Immediately flush skin with plenty of water. Get medical attention immediately. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.

Inhalation

If symptoms develop move victim to fresh air. Oxygen or artificial respiration if needed. 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 vomiting occurs, keep head low so that stomach content doesn't get into the lungs. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting without advice from poison control center. Call a physician immediately.

5. Fire Fighting Measures

Flammable properties

Flammable by WHMIS criteria. Heat may cause the containers to explode. Ruptured cylinders may rocket. Vapors may travel considerable distance to a source of ignition and flash back.

Extinguishing media**Suitable extinguishing media**

Alcohol foam. Dry chemical. Carbon dioxide (CO₂). Do not use water jet.

Unsuitable extinguishing media

Do not use water jet.

Protection of firefighters**Protective equipment and precautions for firefighters**

Containers should be cooled with water to prevent vapor pressure build up. Some of these materials, if spilled, may evaporate leaving a flammable residue. Do not direct water at source of leak or safety devices as icing may occur. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Unusual fire & explosion hazards

Flammable by WHMIS criteria. Heat may cause the containers to explode. Ruptured cylinders may rocket. Vapors may travel considerable distance to a source of ignition and flash back.

6. Accidental Release Measures

Methods for containment

Stop leak if you can do so without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). 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. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Prevent entry into waterways, sewer, 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 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 surface thoroughly to remove residual contamination.

7. Handling and Storage

Handling

Pressurized container: Do not pierce or burn, even after use. When using do not smoke. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Wear positive pressure self-contained breathing apparatus (SCBA). 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. Do not re-use empty containers. Do not get this material in contact with skin. Do not get this material on clothing. Wear personal protective equipment.

Storage

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. Store in a well-ventilated place. Keep container dry. Keep out of the reach of children. Level 3 Aerosol.

8. Exposure Controls / Personal Protection

Exposure limits**ACGIH****Components****CAS #****TWA****STEL****Ceiling**

Acetone

67-64-1

500 ppm

750 ppm

Not established

Propane

74-98-6

1000 ppm

Not established

Not established

n-Butane

106-97-8

1000 ppm

Not established

Not established

Personal protective equipment

Eye / face protection	Chemical goggles are recommended.
Skin protection	Wear appropriate chemical resistant clothing. Wear protective gloves. Wear chemical protective equipment that is specifically recommended by the manufacturer.
Respiratory protection	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

Appearance	Compressed liquefied gas.
Boiling point	82.4 °F (27.8 °C) estimated
Color	Colorless.
Evaporation rate	Not available
Flammability (HOC)	37.0038 kJ/g estimated
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Flash back	Yes
Flash point	-156 °F (-104.4 °C) Propellant
Form	Compressed gas. Aerosol.
Freezing point	Not available
Odor	Solvent.
Odor threshold	Not available
pH	Not applicable
Physical state	Liquid.
Pressure	50 - 70 psig @ 70F
Solubility (H2O)	Miscible.
Specific gravity	0.6446 estimated

10. Chemical Stability & Reactivity Information

Chemical stability	Risk of ignition.
Conditions to avoid	Aerosol containers are unstable at temperatures above 49°C. Heat, flames and sparks.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological Information

Acute effects	Acute LD50: 8679 mg/kg estimated, Rat, Dermal
Component analysis - LD50	
Toxicology Data - Selected LD50s and LC50s	
Acetone	67-64-1 Oral LD50 Rat 5800 mg/kg
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
Synthetic Isoparaffinic Hydrocarbon	64742-47-8 Inhalation LC50 Rat >5.2 mg/L 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg
Sensitization	Not expected to be hazardous by WHMIS criteria.
Carcinogenicity	Not expected to be hazardous by WHMIS criteria.
ACGIH - Threshold Limit Values - Carcinogens	
Acetone	67-64-1 A4 - Not Classifiable as a Human Carcinogen
Mutagenicity	Not expected to be hazardous by WHMIS criteria.
Teratogenicity	Not expected to be hazardous by WHMIS criteria.
Chronic toxicity	Not expected to be hazardous by WHMIS criteria.

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

LC50 715 mg/L estimated, Fish, 96.00 Hours,
EC50 44905 mg/L estimated, Daphnia, 48.00 Hours,
IC50 31339 mg/L estimated, Algae, 72.00 Hours,

13. Disposal Considerations

Disposal instructions 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.

14. Transport Information

Canadian Transportation of Dangerous Goods (TDG) Requirements

Proper shipping name AEROSOLS, flammable
Hazard class 2.1
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

Acetone	67-64-1	1 %
n-Butane	106-97-8	1 %

WHMIS status Controlled
WHMIS classification A - Compressed Gas
B5 - Flammable/Combustible
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)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	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)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	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)

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 in the sheet was written based on the best knowledge and experience currently available.

MSDS sections updated

Product and Company Identification: Product and Company Identification
Composition / Information on Ingredients: Ingredients

Prepared by

Regulatory Compliance