



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product number 563
Product name Automotive Carburetor & Choke Cleaner
Effective date 31-Dec-2008
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 # 04
Supersedes date 06-Jun-2008

2. Hazards Identification

Emergency overview EXTREMELY FLAMMABLE
Irritating to skin. Irritating to eyes. Irritating to respiratory system. Prolonged exposure may cause chronic effects. VAPOR HARMFUL.
CONTENTS UNDER PRESSURE. Aerosol. Pressurized container may explode when exposed to heat or flame.

Potential health effects
Routes of exposure Inhalation. 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. Prolonged inhalation may be harmful.
Ingestion Exposure by ingestion of an aerosol is unlikely. May cause delayed lung damage.
Target organs Kidney. Central nervous system. Liver. Lungs.
Chronic effects Liver injury may occur. Kidney injury may occur. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. May cause delayed lung damage.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Acetone	67-64-1	50 - 60
Propane	74-98-6	15 - 20
Toluene	108-88-3	10 - 15
n-Butane	106-97-8	10 - 15
Non-hazardous and other components below reportable levels		0.1 - 1

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 or persists.
Skin contact Wash off immediately with plenty of water. Remove and isolate contaminated clothing and shoes. If skin irritation persists, call a physician.
Inhalation Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, get medical attention.

Ingestion

If material is ingested, immediately contact a poison control center. Have victim rinse mouth thoroughly with water. 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

Containers may explode when heated. Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.

Extinguishing media

Suitable extinguishing media

Water. Alcohol foam. Dry chemical. Carbon dioxide (CO2).

Protection of firefighters

Specific hazards arising from the chemical

Fire may produce irritating, corrosive and/or toxic gases.

Protective equipment and precautions for firefighters

In the event of fire and/or explosion do not breathe fumes. 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. 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.

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. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

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 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. Use only in area provided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Avoid contact with skin. Avoid contact with eyes. Wear personal protective equipment. Avoid prolonged exposure.

Storage

Level 2 Aerosol.

Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Do not handle or store near an open flame, heat or other sources of ignition. 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. 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

Acetone

67-64-1

500 ppm

750 ppm

Not established

Propane

74-98-6

1000 ppm

Not established

Not established

Toluene

108-88-3

50 ppm

Not established

Not established

n-Butane

106-97-8

1000 ppm

Not established

Not established

OSHA**Components****CAS #****TWA****STEL****Ceiling**

Acetone

67-64-1

1000 ppm

Not established

Not established

Propane

74-98-6

1000 ppm

Not established

Not established

Toluene

108-88-3

200 ppm

Not established

300 ppm

Personal protective equipment**Eye / face protection**

Wear chemical goggles.

Skin protection

Wear appropriate chemical resistant clothing. Protective gloves.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. 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

152.6 °F (67.2 °C) estimated

Color

clear colorless

Flammability (HOC)

26.4547 kJ/g estimated

Flash back

Yes

Flash point

-156 °F (-104.4 °C) estimated

Form

Aerosol.

Odor

Solvent.

pH

Not applicable

Physical state

Liquid.

Pressure

37 - 47 psig @70F

Solubility

Partially

Specific gravity

0.7004 estimated

10. Chemical Stability & Reactivity Information**Chemical stability**

Risk of ignition.

Conditions to avoid

Heat, flames and sparks.

Hazardous decomposition products

Irritants. Toxic gas. May include oxides of sulphur.

11. Toxicological Information**Acute effects**

Acute LD50: 16312 mg/kg estimated, Rat, Dermal

Sensitization

Not expected to be hazardous by OSHA criteria.

Reproductive effects

Not expected to be hazardous by OSHA criteria.

Teratogenicity

Not expected to be hazardous by OSHA criteria.

12. Ecological Information**Ecotoxicity**

Components of this product are hazardous to aquatic life.

LC50 123 mg/L estimated, Fish, 96.00 Hours,
EC50 54.93 mg/L estimated, Daphnia, 48.00 Hours,**13. Disposal Considerations****Waste codes**D001: Waste Flammable material with a flash point <140 F
D018: Waste Benzene**Disposal instructions**

Contents under pressure. Do not puncture, incinerate or crush. Dispose of this material and its container at hazardous or special waste collection point. 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

Department of Transportation (DOT) Requirements

Basic shipping requirements:

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

IMDG

Basic shipping requirements:

Proper shipping name	AEROSOLS
Hazard class	2.1
UN number	1950
Additional information:	
Packaging exceptions	LTD QTY
Labels required	None



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



15. Regulatory Information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

Toluene 108-88-3 1.0 % de minimis concentration

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

Acetone: 5000.0000

Toluene: 1000.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - Yes
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

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)	Yes
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

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

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

Acetone	67-64-1	Environmental hazard
n-Butane	106-97-8	Present
Propane	74-98-6	Present
Toluene	108-88-3	Environmental hazard

16. Other Information**Further information**

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 1*

Flammability: 3

Physical hazard: 0

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.

MSDS sections updated

This document has undergone significant changes and should be reviewed in its entirety.