



# MATERIAL SAFETY DATA SHEET

# 911052

## 1. Product and Company Identification

Product number 052R  
 Product name **SPRAYWAY GLASS CLEANER**  
 Effective date 18-Mar-2008  
 Company information Sprayway Inc.  
 484 Vista Avenue  
 Addison, IL 60101 United States  
 Company phone General Assistance 1-630-628-3000  
 Emergency telephone US 800-424-9300  
 Emergency telephone outside US 703-527-3887  
 Version # 08  
 Supersedes date 08-Feb-2008

## 2. Hazards Identification

Emergency overview **CONTENTS UNDER PRESSURE.**  
 Aerosol. Pressurized container may explode when exposed to heat or flame. May be ignited by heat, sparks or flames. Prolonged exposure may cause chronic effects.

OSHA regulatory status This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

Potential health effects  
**Eyes** Health injuries are not known or expected under normal use.  
**Skin** This product may be harmful if it is absorbed through the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).  
**Inhalation** Intentional misuse by concentrating and inhaling the product can be harmful or fatal.  
**Ingestion** Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Target organs Kidney.  
 2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged and may cause blood damage. These effects have not been observed in humans.  
 Blood. Central nervous system. Liver. Respiratory system.

Chronic effects Unconsciousness. Liver injury may occur. Kidney injury may occur.  
 Signs and symptoms Cyanosis. Liver enlargement. Jaundice. Defatting of the skin. Irritation.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
2-Butoxyethanol	111-76-2	3 - 5
Ethyl Alcohol	64-17-5	3 - 5
Propane	74-98-6	3 - 5
n-Butane	106-97-8	3 - 5
Non-hazardous and other components below reportable levels		80 - 90

## 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. Get medical attention if irritation develops or persists.  
**Skin contact** Immediately take off all contaminated clothing. Wash off with warm water and soap. Get medical attention if irritation develops or persists.  
**Inhalation** Call a physician if symptoms develop or persist.

Ingestion: Rinse mouth. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Symptoms may be delayed. If you feel unwell, seek medical advice (show the label where possible).

**5. Fire Fighting Measures**

Extinguishing media: Suitable extinguishing media: Large Fires: Water spray, fog or regular foam. Small Fires: Dry chemical, CO2, water spray or regular foam. Do not use a solid water stream as it may scatter and spread fire.

Unsuitable extinguishing media: None.

Protection of 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 scatter spilled material with high pressure water streams.

**6. Accidental Release Measures**

Personal precautions: Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unnecessary personnel away.

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 inoperable.

Methods for cleaning up: Small Spills: Wipe up with absorbent material (e.g. cloth, paper). Clean contaminated surface thoroughly.

**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. 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. Avoid prolonged exposure.

Storage: Level 1 Aerosol. Contents under pressure. Do not puncture, incinerate or crush. Avoid exposure to long periods of sunlight. Keep out of the reach of children. Use care in handling/storage.

**8. Exposure Limits / Personal Protection**

Exposure limits	ACGIH	Components	CAS #	TWA	STEL	CEILING
		2-Butoxyethanol	111-76-2	20 ppm	Not established	Not established
		Ethyl Alcohol	64-17-5	1000 ppm	Not established	Not established
		Propane	74-98-6	1000 ppm	Not established	Not established
		n-Butane	106-97-8	1000 ppm	Not established	Not established

OSHA	Components	CAS #	TWA	STEL	CEILING
	2-Butoxyethanol	111-76-2	50 ppm	Not established	Not established
	Ethyl Alcohol	64-17-5	1000 ppm	Not established	Not established
	Propane	74-98-6	1000 ppm	Not established	Not established

Engineering controls: Ensure adequate ventilation, especially in confined areas.

Personal protective equipment: Eye / face protection: Not normally needed. Skin protection: Protective gloves. Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations: When using do not smoke. Avoid contact with eyes. Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice.

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**9. Physical & Chemical Properties**

Appearance: Compressed liquefied gas.  
 Color: Colorless.  
 Odor: Butyl.  
 Physical state: Gas.  
 Form: Aerosol.  
 Flammability (HOC): 3.83 kJ/g.  
 Flash back: No.  
 Pressure: 60 - 75 psig @ 70F.  
 Solubility: Completely.  
 Flash point: 32 °F (0 °C) estimated.  
 Boiling point: 204.8 °F (96.1 °C) estimated.  
 Specific gravity: 0.857.  
 pH: 5.5 - 10.3.

**10. Chemical Stability & Reactivity Information**

Chemical stability: Stable at normal conditions.  
 Conditions to avoid: Heat, flames, and sparks.  
 Incompatible materials: None known.  
 Hazardous decomposition products: May include oxides of nitrogen.

**11. Toxicological Information**

Acute effects: Acute LD50: 6099 mg/kg estimated, Rat, Dermal. Acute LC50: 51 mg/4h estimated, Rat, Inhalation.  
 Sensitization: Not expected to be hazardous by OSHA criteria.  
 Local effects: Liver toxicity. Blood disorder may occur after ingestion. Components of the product may be absorbed into the body through the skin.  
 Chronic effects: Hazardous by OSHA criteria. This product may be harmful if it is absorbed through the skin. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged exposure may cause chronic effects.  
 Subchronic effects: Kidney injury may occur. Blood disorder may occur after prolonged inhalation. Blood disorder may occur after prolonged skin contact.  
 Neurological effects: Not expected to be hazardous by OSHA criteria.  
 Mutagenicity: Not expected to be hazardous by OSHA criteria.  
 Reproductive effects: Not expected to be hazardous by OSHA criteria. Possible reproductive hazard.  
 Teratogenicity: Not expected to be hazardous by OSHA criteria.  
 Epidemiology: Hazardous by OSHA criteria.  
 Further information: Symptoms may be delayed.

**12. Ecological Information**

Ecotoxicity: LC50 28567 mg/L estimated, Fish, 96.00 Hours. EC50 45419 mg/L estimated, Daphnia, 48.00 Hours. IC50 12027 mg/L estimated, Algae, 72.00 Hours. Components of this product have been identified as having potential environmental concerns.

**13. Disposal Considerations**

Waste codes: D021: Waste Flammable material with a flash point <140 F.  
 Disposal instructions: Contents under pressure. Dispose of this material and its container at hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewer/water supplies. If discarded, this product is considered a RCRA ignitable waste. D001: Dispose in accordance with all applicable regulations.

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**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: 158, 309. Packaging non bulk: 158, 306. Packaging bulk: None.

IMDG: Basic shipping requirements: Proper shipping name: AEROSOLS, flammable. Hazard class: 2.1. UN number: 1950. Additional information: Packaging exceptions: LTD QTY. Items: SF. Labels required: 2.1. 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.



**15. Regulatory Information**

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

U.S. - CERCLA/SARA - Section 313 - Emission Reporting: 2-Butoxyethanol 111-76-2 1.0 % or more concentration applies to R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100, R101, R102, R103, R104, R105, R106, R107, R108, R109, R110, R111, R112, R113, R114, R115, R116, R117, R118, R119, R120, R121, R122, R123, R124, R125, R126, R127, R128, R129, R130, R131, R132, R133, R134, R135, R136, R137, R138, R139, R140, R141, R142, R143, R144, R145, R146, R147, R148, R149, R150, R151, R152, R153, R154, R155, R156, R157, R158, R159, R160, R161, R162, R163, R164, R165, R166, R167, R168, R169, R170, R171, 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**16. Other Information**

Inventory status: Country(s) or region: China, Europe, Japan, Korea, United States & Puerto Rico. Inventory name: Inventory of Existing Chemical Substances in China (IECSC), European Inventory of New and Existing Chemicals (EINECS), European List of Notified Chemical Substances (ELNCS), Inventory of Existing and New Chemical Substances (EINECS), Existing Chemicals List (ECL), Toxic Substances Control Act (TSCA) Inventory. 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 - RTN (Right to Know) List: 2-Butoxyethanol 111-76-2 Present, Ethyl Alcohol 64-17-5 Present, n-Butane 106-97-8 Present, Propane 74-98-6 Present.

HMSD ratings: Health: 1\*, Flammability: 1, Physical hazard: 0.

Prepared by: Regulatory Compliance. 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.

Issue date: 18-Mar-2008. MSDS sections updated: Product and Company Identification, Alternate Trade Names.

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