

MSDS 6560-1

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product number 287
Product name C1 PENETRATING COIL CLNR 19 OZ
Effective date 29-Feb-2008
Company Information SPRAY WAY, INC.
484 VISTA
ADDISON, IL 60101 Unites States
Company phone General Assistance 1-630-628-3000
Emergency telephone US 800-424-9300
Emergency telephone outside US 703-527-3887
Version # 1.0
Supersedes date 13-Nov-2007

2. HAZARDS IDENTIFICATION

Emergency overview CONTENTS UNDER PRESSURE
Aerosol. Pressurized container may explode
when exposed to heat or flame.

OSHA regulatory status This product is considered hazardous under
29 CFR 1910.1200 (Hazard Communication).
Prolonged exposure may cause chronic effects.

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 though 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
n-Butane	106-97-8	3 - 5
2-Butoxyethanol	111-76-2	3 - 5
Diethylene Glycol Monoethyl Ether	111-90-0	3 - 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. 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.
Notes to physician	Symptoms may be delayed
General advice	If you feel unwell, seek medical advice (show the label where possible).

5. FIRE FIGHTING MEASURES

Flammable properties	Containers may explode when heated. Vapor or gas may spread to distant ignition sources and flash back.
Extinguishing media	
Suitable extinguishing media	Large Fires: Water spray, fog or regular foam. Small Fires: Dry chemical, CO2, water spray or regular foam.
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	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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. 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 irreparable.
Methods for cleaning up	Small spills: Wipe up with absorbent material (e.g. cloth, fleece). 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.

Storage Avoid prolonged exposure.
Level 1 Aerosol.

Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Avoid exposure to long periods of sunlight. Keep the container dry. Keep in an area equipped with sprinklers. Keep out of the reach of children. Use care in handling/storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

ACGIH

Components	CAS #	TWA	STEL	Ceiling
n-Butane	106-97-8	1000 ppm	Not established	Not established
2-Butoxyethanol	111-76-2	20 ppm	Not established	Not established
Propane	74-98-6	1000 ppm	Not established	Not established

OSHA

Components	CAS #	TWA	STEL	Ceiling
2-Butoxyethanol	111-76-2	50 ppm	Not established	Not established
Propane	74-98-6	1000 ppm	Not established	Not established

Engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal protective equipment

Eye / face protection Not normally needed.

Skin protection Wear appropriate chemical resistant gloves.

Respiratory protection No personal respiratory protective equipment normally required.

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.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance Compressed liquefied gas.

Color Colorless

Odor Characteristic

Physical state Liquid

Form	Aerosol
Flammability (HOC)	5.84 kJ/g estimated
Flash back	No
Pressure	45 - 55 psig @ 70F
Solubility	Partially
Flash point	-156 degrees F (-104.4 degrees C) estimated
Boiling point	208.4 degrees F (97.8 degrees C) estimated
Specific gravity	0.9697 estimated
pH	11.72 - 12.72

10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical stability	Risk of ignition. Stable at normal conditions.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	None know.
Hazardous decomposition products	May include oxides of oxides of carbon

11. TOXICOLOGICAL INFORMATION

Acute effects	Acute LD50: 11640 mg/kg estimated, Rat, Oral Acute LD50: 11171 mg/kg estimated, Rat, Dermal Acute LC50: 101 mg/l/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, live, kidneys and blood. Prolonged exposure may cause chronic effects.

2-Butoxy ethanol may be absorbed though the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

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.
Mutagen city	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.
Epidemiology	Hazardous by OSHA criteria.
Further information	Symptoms may be delayed.

12. ECOLOGICAL INFORMATION

Ecotoxicity	LC50 545 mg/L estimated, Fish, 96.00 Hours. EC50 971 mg/L estimated, Daphnia, 48.00 Hours. IC50 65.76 mg/L estimated, Algae, 72.00 Hours. Components of this product have been identified as having potential environmental concerns.
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13. DISPOSAL CONSIDERATIONS

Waste codes	D001: Waste Flammable material with a flash point <140 F
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