



Beno J. Gundlach Co., Inc.  
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## MATERIAL SAFETY DATA SHEET

### GUNDLACH GC30 18OZ. AEROSOL CARPET SPOT CLEANER

#### Section I - Product and Company Identification

Product Name	Gundlach Carpet Spot Cleaner (Aerosol)
Chemical Family	Isopropyl Alcohol
Emergency Infotrac Number	800-535-5053
Date Prepared	November 15, 2007
Prepared By	Beno J. Gundlach Co., Inc.

#### Section II - Hazardous Information

Emergency Overview	CONTENTS UNDER PRESSUE. Aerosol. Pressurized container may explode when exposed to heat or flame. Irritating to eyes. 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	Causes eye irritation.
Skin	Prolonged or repeated contact can result in defatting and drying of the skin which result in skin irritation and dermatitis (rash).
Inhalation	Intentional misuse by concentration and inhaling this product can be harmful and/or fatal.
Ingestion	Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
Target organs	Central nervous system. Respiratory system.
Chronic Effects	May cause central nervous system disorder (e.g. narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage.
Signs and symptoms	Narcosis. Defatting of the skin, irritation.

#### Section III - Composition/Information on Ingredients

COMPONENTS	CAS #	WEIGHT (%)
Isopropyl Alcohol	67-63-0	8-10 %
n-Butane	106-97-8	3-5 %
Propane	74-98-6	3-5 %
Non-Hazardous and other components below level		80-90 %

## Section IV - First Aid Information

Emergency First Aid Procedures	
Eyes	Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Remove contact lenses if able to do so. Seek medical attention if irritation develops or persists.
Skin	Remove all contaminated clothing and shoes and wipe excess from skin. Flush skin with water. Follow by washing skin with soap and water. Do not reuse clothes until cleaned.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth with water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.
Inhalation	Call a physician if symptoms develop or persist.
Notes to physician	Symptoms may be delayed
General advice	If you feel unwell, seek medical advice (show the label where possible).

## Section V - Firefighting Measures

Flammable properties	Containers may explode when heated. Vapor or gas may spread to distant ignition sources and flash back.
Extinguishing Media	<p><b>Suitable media:</b>  <b>Large Fires:</b> Water, spray, fog, or regular foam.  <b>Small Fires:</b> Dry Chemical, CO<sub>2</sub>, water spray, or regular foam.</p> <p><b>Unsuitable media:</b> Do not use a solid water stream as it may scatter and spread the fire.</p>
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 a 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 the area and let fire burn.
Specific Hazards	Fire may produce irritating, corrosive and/or toxic gases.

## Section VI - 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 of cleaning up	Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

## Section VII - Precautions for Safe 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. Wear personal protective equipment. Avoid prolonged exposure.
Storage	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 in an area equipped with sprinklers. Keep out of the reach of children. Use care in handling/storage.

## Section VIII - Exposure Controls/Personal Protection

### Exposure limits

ACIGH				
COMPONENTS	CAS #	TWA	STEL	Ceiling
Isopropyl Alcohol	67-63-0	200ppm	400ppm	Not established
n-Butane	106-97-8	1000ppm	Not established	Not established
Propane	74-98-6	1000ppm	Not established	Not established

OSHA				
COMPONENTS	CAS #	TWA	STEL	Ceiling
Isopropyl Alcohol	67-63-0	400ppm	Not established	Not established
Propane	74-98-6	1000ppm	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	Wear chemical goggles.			
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.			

## Section IX - Physical and Chemical Properties

Appearance	Compressed, liquified gas.
Color	Colorless
Odor	Ether-like
Physical State	Liquid
Form	Aerosol
Flammability (HOC)	9.5kJ/g estimated
Flash back	No
Pressure	46-56 psig @ 70F
Solubility	Completely
Flash point	-156F (-104.4C) estimated
Boiling Point	176F (80C) estimated
Specific Gravity	0.918 estimated
pH	11.8-12.8

## Section X - Chemical Stability & Reactivity Information

Chemical stability	Risk of ignition. Stable at normal conditions.
Conditions to avoid	Heat, flames, and sparks.
Hazardous decomposition products	May include oxides of nitrogen.

### Section XI - Toxicological Information

Acute Effects	Acute LD50: 44616 mg/kg estimated, Rat, Oral
Sensitization	Acute LC50; 785 mg/l/4h estimated, Rat, Inhalation
Local Effects	Not expected to be hazardous by OSHA criteria
Chronic Effects	Irritating to the eyes. Components of the product may be absorbed into the body through the skin.
Neurological Effects	Hazardous by OSHA standards.
Mutagenicity	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 displayed

### Section XII- Ecological Information

Ecotoxicity	IC50, 10763 mg/L, Algae, 72.00 Hours Components of this product have been identified as having potential environmental concerns
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### Section XIII- Disposal Considerations

Waste Codes	D001: Waste Flammable material with a flash point, <140F D002: Waste Corrosive material [pH <= 2 or => 12.5, corrosive to steel]
Disposal Information	Contents under pressure. Incinerate the material under controlled conditions in an approved incinerator. 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.

### Section XIV Transportation Information

<b>Department of Transportation (DOT) Requirements</b>			
Proper Shipping Name	Consumer Commodity		
Hazard Class	ORM-D	Subsidiary Hazard Class	None
Packaging Exceptions	156, 306	Packaging Non Bulk	156, 306
Packaging bulk	None		

#### IATA

Not regulated as hazardous goods.

#### IMDG

Not regulated as hazardous goods.

### Section XV Regulatory Information

US Federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200
<b>Occupational Safety and Health Administration (OSHA)</b>	
29 CFR 1910.1200 hazardous chemical	Yes
CERCLA (Superfund) reportable quantity	None
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>	
Hazard categories	Immediate Hazard - Yes
	Delayed Hazard - Yes

Hazard categories cont'd	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 Substance in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCES)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
United States & Puerto Rico	Toxic Substances Control Act (TCSA) Inventory	No

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 cancer and birth defects or other reproductive harm.

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

Isopropyl Alcohol	67-63-0	Environmental Hazard
n-Butane	106-97-8	Present
Propane	74-98-6	Present

#### Section XVI - Other Information

HMSI® ratings	Health: 1* Flammability: 2 Physical Hazard: 0
Prepared by	Regulatory Compliance