



Date Issued: 5/21/2010

Material Safety Data Sheet

Product Name: G3520 Extreme Carpet Cleaner

1. Product and Company Information

P & S Sales, Inc
20943 Cabot Blvd.
Hayward CA 94545

Emergency Number: 800-255-3924
Customer Service: 510-732-2628
Business Fax: 510-732-2632

Generic Description: Clear odorous liquid in a pressurized container

NFPA Profile: Health 2 Flammability 2 Reactivity 0

2. OSHA Hazard Components

CAS Number	Wt %	Component Name
74-98-6		Propane
106-97-8		n-Butane
111-76-2		2 butoxyethanol

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

3. Effects of Overexposure

Inhalation:

Inhalation of vapors irritates the respiratory tract. Overexposure may cause lightheadedness, nausea, headache, and blurred vision. Greater exposure may cause muscle weakness, numbness of the extremities, unconsciousness and death.

Ingestion:

May produce abdominal pain, nausea. Aspiration into lungs can produce severe lung damage and is a medical emergency. Other symptoms expected to parallel inhalation.

Skin Contact:

May cause redness, irritation, with dryness, cracking.

Eye Contact:

Vapors may cause irritation. Splashes may cause redness and pain.

Chronic Exposure:

Unconsciousness. Conjunctiva. Liver and Kidney injury may occur. Chronic inhalation may cause peripheral nerve disorders and central nervous system effects.

Aggravation of Pre-existing Conditions:

Persons with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the effects of the substance. May affect the developing fetus.

4. First Aid Measures

Eye Contact:

If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

Skin Contact:

In case of skin contact, remove any contaminated clothing and wash skin with soap and water. Launder or dry-clean clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

Inhalation:

If overcome by vapor, remove victim to fresh air and call a physician immediately. If breathing is irregular or has stopped, start resuscitation, administer oxygen, if available.



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Ingestion:

If ingested, DO NOT induce vomiting; call a physician immediately.

5. Fire Fighting Measures

Flash Point <140°F	Upper Flamability Limit	Not listed
Auto Ignition unknown	Lower Flamability Limit	Not Listed

EXTINGUISHING MEDIA AND FIRE FIGHTING PROCEDURES

Foam, water spray (fog), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists.

Use dry chemical, foam or carbon dioxide to extinguish the fire. "Water may be ineffective", but water should be used to keep fire-exposed containers cool. If a leak or spill has ignited, use water spray to disperse the vapors and to protect persons attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing of gases, vapor, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS

Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

6. Accidental Release Measures**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Shut off and eliminate all ignition sources. Keep people away. Recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

Assure conformity with applicable governmental regulations. Continue to observe precautions for volatile, combustible vapors from absorbed material.

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 ignition source. Use only in areas with adequate ventilation. Do not use if spray button is missing or defective. 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. Pressure in sealed containers can increase under the influence of heat. Avoid exposure to long periods of sunlight. Keep in an area with sprinklers. Keep out of reach of children. Use care in handling and storage.

8. Exposure Controls and Personal Protection

74-98-6	Propane	1000 ppm TWA
106-97-8	n-Butane	1000 ppm TWA
111-76-2	2 butoxyethanol	240 mg/m3 OSHA PEL
		20 ppm ACGIH TWA



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50 ppm OSHA PEL

Ventilation:

Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. No smoking, or use of flame or other ignition sources.

Respiratory Protection:

If the exposure limit is exceeded and engineering controls are not feasible, wear a supplied air, full-facepiece respirator, airlined hood, or full-facepiece self-contained breathing apparatus. Breathing air quality must meet the requirements of the OSHA respiratory protection standard (29CFR1910.134).

Protective Gloves:

Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.

Eye Protection:

Use splash goggles or face shield when eye contact may occur.

Work Practices:

To prevent fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system in accordance with (THE) National Fire Protection Association PUBLICATIONS.

9. Physical and Chemical Properties**Physical State** liquid**Color** colorless**Vapor Press** 70-80 psig**pH** 11-12**Specific Gravity** .9314**Viscosity** unknown**Vapor Density (Air=1)** unknown**Melting Point °F** unknown**Odor** Butyl**Water Solubility** Complete**VOC Content** unknown**10. Stability and Reactivity****Stability** Stable**Hazardous Polymerization** Not Expected to Occur**Conditions to Avoid** Heat, flames and sparks**Hazardous** May include Oxides of Nitrogen**Decomposition Products****11. Toxicological Information**

Acute Toxicity - Effects : Inhalation Short term exposure to high concentrations of vapors (300 - 600 ppm) can cause respiratory and eye irritation, CNS depression, and possible damage to kidney and liver. Ingestion The major toxic effect in acute and subchronic animal studies was intravascular red cell hemolysis (destruction). This was often associated with secondary effects such as spleen and liver enlargement and nephropathy. Studies show that hemolysis and secondary effects are not relevant to humans.

Irritation : Skin This substance is a mild skin irritant.

Eye This product is expected to be an eye irritant.

Target Organ Effects : Skin. Eye. Respiratory system. Central nervous system effects. Blood. May cause liver and/or kidney damage.

Repeated Dose Toxicity : Administration of ethylene glycol butyl ether (EGBE) to rats (855 mg/kg/day) and mice (1000 mg/kg/day) for periods of 5-6 weeks showed no effects on the testes. NTP reported testicular weight changes in rats and mice ingesting up to 6000 ppm (443 and 694 mg/kg/day in rats and mice) of EGBE in a 13 week drinking water study. No chemically related microscopic lesions were seen.



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12. Ecological Information

Ecotoxicity : This material is highly soluble in water. Laboratory toxicity tests indicate that is not significantly toxic to fish and aquatic invertebrates, although amphibians may be more sensitive. Wildlife species may be more susceptible since mammals and birds do not readily metabolize this material. The odor and flavor of this material may attract some wildlife and cause them to consume spilled material.

Environmental Fate and Pathway : This material will biodegrade relatively rapidly in both soil and water, and will not persist in the environment. Due care should be taken to avoid accidental releases to aquatic or terrestrial systems.

Persistence and Degradability

Bioaccumulation: Because of this material's high solubility and rapid biodegradability, it is unlikely that bioaccumulation will occur in aquatic or terrestrial systems. Models estimate that this material will preferentially partition to water versus air or soil.

13. Disposal Information

Dispose of all waste and contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations. Recovery and reuse, rather than disposal, should be the ultimate goal of handling efforts. The materials resulting from clean-up operations may be hazardous wastes and therefore, subject to specific regulations. Use only licensed transporters and permitted facilities for waste disposal.

14. Transportation Information

DOT Hazard Class: ORM-D, Proper Shipping Name: Consumer Commodity

IMDG Hazard Class: 2.1 Proper Shipping Name: Aerosols, Flammable UN1950 Packaging exemptions: Limited Quantity

IATA Hazard Class: 2.1 Proper Shipping Name: Aerosols, Flammable UN1950

15. Regulatory Information

This product is a hazardous chemical as defined by OSHA Hazard Communication Standard, 29 CFR 1910.120

CERCLA (Superfund) Reportable Quantity: None

Section 302 Extremely hazardous substance: No

Section 311 Hazardous Chemical: Yes

Hazard Categories: Immediate Hazard: Yes, Delayed Hazard: Yes, Fire Hazard: Yes, Pressure Hazard: Yes, Reactive Hazard: No

16. Other Information

Dispose of all waste and contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations. Recovery and reuse, rather than disposal, should be the ultimate goal of handling efforts. The materials resulting from clean-up operations may be hazardous wastes and therefore, subject to specific regulations. Use only licensed transporters and permitted facilities for waste disposal.

