

CARPET CLEANER PLUS

Product number: 131017



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name	CARPET CLEANER PLUS
Product number	131017
Revision date	04-May-2007
Company information	Brulin & Company, Inc. P.O. Box 270 Indianapolis, IN 46206 US www.Brulin.com
Emergency	CHEMTREC 1-800-424-9300
General information	Phone: 317-923-3211 Fax: 317-925-4596

2. Hazards Identification

Emergency overview This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Flammable/Combustible Material.

Potential short term health effects

Eyes	This product may cause irritation to the eyes.
Skin	Prolonged exposure may cause skin irritation. Components of the product may be absorbed into the body through the skin.
Inhalation	Excessive inhalation of this product may cause headache, dizziness, blurred vision, nausea and vomiting.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Signs and symptoms	headache, irritation, redness, discomfort

3. Composition / Information on Ingredients

Hazardous component(s)	CAS #	Percent
2-Butoxyethanol	111-76-2	< 10
Isopropyl alcohol	67-63-0	< 10

4. First Aid Measures

First aid procedures

Eye contact	Remove contact lenses. Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation develops or persists.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops or persists.
Inhalation	Move to fresh air. Oxygen or artificial respiration if needed. Call a physician if symptoms develop or persist.
Ingestion	Do not induce vomiting. Give several glasses of water. Have victim rinse mouth thoroughly with water. If ingestion of a large amount does occur, seek medical attention.

General advice If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Flammable properties	Combustible liquid.
Extinguishing media	
Suitable extinguishing media	Small Fires: Dry chemical, CO2, water spray or regular foam. Large Fires: Water spray, fog or regular foam.

CARPET CLEANER PLUS

Product number: 131017

6. Accidental Release Measures

Personal precautions	Ensure adequate ventilation. Remove all sources of ignition.
Methods for cleaning up	Never return spills in original containers for re-use. Large Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Small Spills: Flush into sewer with plenty of water.

7. Handling and Storage

Handling	Do not handle or store near an open flame, heat or other sources of ignition. Take measures to prevent the build up of electrostatic charge.
Storage	Keep away from heat, sparks, and flame. Keep out of the reach of children. Keep at temperatures between 4 and 38°C.

8. Exposure Controls / Personal Protection

Exposure guidelines

ACGIH - Threshold Limits Values - Short Term Exposure Limits (TLV-STEL)

Isopropyl alcohol	67-63-0	400 Ppm STEL
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ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

2-Butoxyethanol	111-76-2	20 Ppm TWA
Isopropyl alcohol	67-63-0	200 Ppm TWA

ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

2-Butoxyethanol	111-76-2	eye and upper respiratory tract irritation
Isopropyl alcohol	67-63-0	CNS impairment; eye and upper respiratory tract irritation

OSHA - Final PELs - Skin Notations

2-Butoxyethanol	111-76-2	prevent or reduce skin absorption
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OSHA - Final PELs - Time Weighted Averages (TWAs)

2-Butoxyethanol	111-76-2	50 Ppm TWA; 240 mg/m3 TWA
Isopropyl alcohol	67-63-0	400 Ppm TWA; 980 mg/m3 TWA

Engineering controls	Ensure adequate ventilation, especially in confined areas.
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Personal protective equipment

Eye / face protection	Wear as appropriate: goggles or safety glasses with side-shields. If splashes are likely to occur, wear: face-shield
Skin protection	Impervious butyl rubber gloves. Neoprene gloves.
Respiratory protection	No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

9. Physical & Chemical Properties

Appearance	clear liquid
Color	Clear colourless-light yellow
Form	Liquid.
Odor	lemon
Odor threshold	Not available
pH	8.5
Freezing point	Not available
Boiling point	> 212 °F
Flash point	111 °F Pensky-Martens Closed Cup
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available

CARPET CLEANER PLUS

Product number: 131017

Vapor density	Not available
Specific gravity	1.023
Solubility (H ₂ O)	Not available
VOC (Weight %)	8.5 %

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Do not freeze. Temperatures above 38°C
Incompatible materials	Strong acids, alkalies and oxidizing agents.
Hazardous decomposition products	Carbon monoxide and carbon dioxide. Nitrogen oxides (NO _x). Sulfur oxide.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Acute effects	Acute LD50: 6458 mg/kg estimated, Rat, Oral Acute LD50: 4265 mg/kg estimated, Rat, Dermal Acute LC50: 43 mg/l/4h estimated, Rat, Inhalation
Local effects	May be harmful by inhalation, ingestion, skin adsorption.
Chronic effects	Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged or repeated exposure may cause lung injury. Prolonged exposure may cause chronic effects.
Subchronic effects	Kidney injury may occur. Blood disorder may occur after ingestion. Blood disorder may occur after prolonged inhalation. Blood disorder may occur after prolonged skin contact.
Further information	Symptoms may be delayed.

12. Ecological Information

Ecotoxicity	Components of this product have been identified as having potential environmental concerns.
Environmental effects	Harmful to aquatic life.
Aquatic toxicity	May cause long-term adverse effects in the aquatic environment.

13. Disposal Considerations

Waste codes	D001: Waste Flammable material with a flash point <140 F
Disposal instructions	Dispose in accordance with all applicable regulations. This material and its container must be disposed of as hazardous waste. If discarded, this product is considered a RCRA ignitable waste, D001.

14. Transport Information

Department of Transportation (DOT) Requirements

Basic shipping requirements:

Proper shipping name	Flammable liquids, n.o.s. (ISOPROPYL ALCOHOL)
Hazard class	3
UN number	UN1993
Packaging group	III

Additional information:

Special provisions	B1, B52, IB3, T4, TP1, TP29
Packaging exceptions	150
Packaging non bulk	203
Packaging bulk	242
ERG number	128

DOT



CARPET CLEANER PLUS

Product number: 131017

Department of Transportation (DOT) Requirements NON-BULK

Basic shipping requirements:

Proper shipping name	Flammable liquids, n.o.s. (ISOPROPYL ALCOHOL)
Hazard class	3
UN number	UN1993
Packaging group	III

Additional information:

Special provisions	B1, B52, IB3, T4, TP1, TP29
Packaging exceptions	150
Packaging non bulk	203
Packaging bulk	242

DOT NON-BULK



IATA

Basic shipping requirements:

Proper shipping name	Flammable liquid, n.o.s. (ISOPROPYL ALCOHOL)
Hazard class	3
UN number	UN1993
Packaging group	III

Additional information:

Packaging exceptions	150
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IATA



IMDG

Basic shipping requirements:

Proper shipping name	FLAMMABLE LIQUID, N.O.S. (ISOPROPYL ALCOHOL)
Hazard class	3
UN number	UN1993
Packaging group	III

Additional information:

Packaging exceptions	150
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IMDG



15. Regulatory Information

US federal regulations

All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA - Section 313 - Emission Reporting

2-Butoxyethanol	111-76-2	1.0 Percent de minimis concentration (applies to R-(OCH ₂ CH ₂) _n -OR' ethers, where n = 1, 2, or 3, R=alkyl C7 or less or R = phenyl or alkyl subst. phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or
Isopropyl alcohol	67-63-0	1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical	Yes
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CERCLA (Superfund) reportable quantity

None

CARPET CLEANER PLUS

Product number: 131017

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

International regulations The product is classified and labelled in accordance with EC directives or respective national laws.

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other Information

HMIS rating

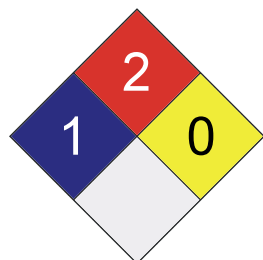
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Physical Hazard 0

Personal Protection B

NFPA codes



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Disclaimer

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