

Material Safety Data Sheet
(MSDS)



CARPET CLEANER

Orbeco, Inc
250 Napoleon street - Suite E
San Francisco, CA 94124-1037 - USA
Tel.: +1 415.647.0207
Fax.: +1 415.647.0208
www.orbeco.net

(According to 29 CFR 1910.1200)

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Degree of hazard: 4=Extreme; 3=High; 2=Moderate; 1=Slight;; 0=insignificant

NFPA rating

Health 0

Flammability 0

Reactivity 0

Section I: Product Identification

Product Name: ION CARPET CLEANER

Description: Carpet Cleaner

Section II: Composition/Information on Ingredients

Rubbing alcohol CAS # 67-63-0 - PEL 980, TLV 980, STEL 1225 MG/M3

Percentage: Concentrate <3% Ready to Use <0.1%

Propylene Carbonate CAS # 108-32-7

Percentage: Concentrate <6% Ready to Use <0.2%

According to the OSHA Hazardous Communications Standards (29 CFR 1910.1200) any hazardous ingredients that comprise >1.0% of the material and any carcinogenic ingredients that comprise >0.1% must be listed on the MSDS:

Section IIa: US EPA Toxic Release Inventory (TRI) : None

Section IIb: Reproductive Toxins : None

Section IIc: Carcinogenic Ingredients : None

- California Prop. 65 Ingredients: None

- IARC Group 1, 2A, 2B ingredients: None

- OSHA, NTP Report: None

This product complies with Title 17 California Code of Regulation. According to sections 94508 & 94509 effective 1/1/2001, Carpet and Upholstery Cleaners should not contain Volatile Organic Compounds in excess of 0.1% .

Section III. Hazard Identification

Primary Danger: None

Specific Indication Regarding Danger to Humans: None

Specific Indication Regarding Danger to Environment: None

Section IV. First Aid Measures

General indications: No particular measure.

Skin: Wash with water and soap. Generally speaking the product does not irritate skin.

Eyes: Flush with water for few minutes. Consult physician if irritation persists.

Inhalation: Give fresh air. Consult physician in case of problems.

(This product is practically non-volatile.)

Ingestion: Do not induce vomiting. Consult physician.

Section V. Fire and Explosion Data

Flash point: None

Auto-ignition temperature: None

Danger of explosion: None

Ignition temperature: 787° F

Extinguishing Methods: CO₂, extinguishing powder or water spray. Fight major ignition sources with water spray or foam.

Special Safety Equipment: No special measure required.

Section VI. Accidental Release Measures

Individual precautions: Not necessary

Environmental Protection Measures: Do not discharge into pipelines, runoff water or into the groundwater. Soak up the liquids with the help of an absorbing product (i.e. sand, sawdust, clay, etc.) and dispose according to local, State and Federal Regulations.

Additional indications: No dangerous substance is released.

Section VII. Handling and Storage

Handling Precautions to be taken: None

Fire and Explosion Prevention: No particular measure.

Requirements Regarding Storage and Containers:

Keep containers in a cool and ventilated area. Can decompose at high temperatures causing pressure rises if not properly vented.

Indications Regarding Shared Storage: Not Necessary

Section VIII. Protection Measures

Additional Indications for the Marshalling of Technical Facilities: No other indication, see section 7

General Protection and Hygiene measures: Respect common safety measures for the use of chemical products.

Respiratory Protection: No respiratory protection equipment is recommended under anticipated conditions of normal use.

Hand Protection: Protective gloves or protective lotion

Eye Protection: Protective goggles recommended for casking.

Section IX. Physical and Chemical Properties

Form: Liquid

Color: Clear

Odor: Characteristic

Boiling Point: 208° F

Vapor Pressure at 68° F: 23h.Pa0

Density at 68° F: 1.05

pH value: 7.5 (+/-0.5)

Miscibility in water: Fully miscible

Section X. Stability and reactivity

Thermal decomposition/conditions to be avoided: None in the event of standard storage and handling.

Incompatibility : Strong oxidizing agents

Hazardous Decomposition Products/Combustion Products:

Incomplete combustion can result of carbon dioxide and carbon monoxide.

Hazardous Polymerisation: Not expected to occur.

Section XI: Toxicological Information

Acute toxicity:

Oral LD₅₀: > 2,000 mg/Kg Not toxic to humans

Inhalation LC₅₀: > 20 mg/L Not toxic to humans

Primary Effect of Eye and Skin Irritation: May be irritating

Sensitization (components) : No sensitization (IUCLID test)

Additional Toxicological Instructions: When handled and used appropriately, the product has no adverse health effects according to our experience and the information we have.

This product has not been tested on animals.

Section XII: Ecological Information

Photochemical Smog, Tropospheric Ozone Production, Indoor Air Quality:

This product does not contain substances that contribute significantly to the production of photochemical smog, tropospheric ozone or poor indoor-air quality.

Volatile Organic Compounds :

< 0.1% by weight as determined by California Air Resource Board Method 310

Toxicity to Aquatic Life

Acute LC₅₀ for algae: > 100 mg/L - Practically Non Toxic

Acute LC₅₀ for fish: > 100 mg/L - Practically Non Toxic

Acute LC₅₀ for daphnia: > 100 mg/L - Practically Non Toxic

Aquatic Biodegradability : Easily Biologically Degradable

Bioaccumulation : Little chance on bioaccumulation

Ecotoxicity :

- U.S. DOT- Appendix B - Marine Pollutant : Not listed
- U.S. DOT- Appendix B - Severe Marine Pollutant : Not listed
- Ecotoxicity - Fish Species Data : Not listed
- Ecotoxicity - Freshwater Algae Data : Not listed
- Ecotoxicity - Microtox Data : Not listed
- EPA - ATSDR Priority List : Not listed
- EPA - HPV Challenge Program Chemical list : indicator 0
- California - Priority Toxic Pollutants : Not listed -

Section XIII: Disposal Procedures

Waste Disposal: In accordance with local, State and Federal regulations

Neutralizing Chemical: Water

Section XIV: Transport information

US: Per 49 CFR 172.101: Not regulated

U.S.DOT - Appendix A table 1 Reportable Quantities : Not Listed

UN/Id No : Not regulated

Section XV. Regulatory information

TSCA: All ingredients are listed on the TSCA Chemical Substance Inventory

SARA Section 313 chemical catg. : None

CERCLA/SARA - Section 302 : None

California Proposition 65 : None

Europe:

Labeling Requirements as per European Community directives GefStoffV (Gefahrstoffverordnung) (=the regulation of hazardous products): None

Section XVI: Other Information

This information is to our knowledge correct and complete on the date of issue of this Material Safety Data Sheet. The information and recommendations herein are based upon tests believed to be reliable. However, Orbeco, Inc does not guarantee the accuracy or completeness nor shall any of this information constitute a warranty, whether expressed or implied, as to the safety of the goods, the merchantability of the goods, or the fitness of the goods for a particular purpose. Orbeco, Inc assumes no responsibility for results obtained or for incidental or consequential damages arising from the use of this data. No warranty against infringement of any patent, copyright or trade mark is made or implied

End of MSDS

Department issuing the MSDS:

Product Safety Department