

Material Safety Data Sheet  
(MSDS)

**Evolut-ion™**

ALL PURPOSE  
SPOTTER

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(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: EVOLUT-ION ALL PURPOSE SPOTTER

Description: All purpose spot & stain remover

**Section II: Composition/Information on Ingredients**

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: None

This product complies with Title 17 California Code of Regulations sections 94508 & 94509 effective 1/1/2001, regulating V.O.C. s content in Spot & Stains Removers.

**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.

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

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

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

Vapor pressure: 23 hPa

Boiling Point: 208 ° F

Extinguishing Methods: CO<sub>2</sub>, 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.  
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 special 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: Translucent  
Odor: Odorless  
Boiling Point: 208° F  
Vapor Pressure at 68° F: 23h.Pa0  
Density at 68° F: 1.025  
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 LD<sub>50</sub> : > 2,000 mg/Kg      Not toxic to humans  
Inhalation LC<sub>50</sub> :      > 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:  
This product does not contain substances that contribute significantly to the production of photochemical smog or tropospheric ozone.

Volatile Organic Compounds :  
<8% by weight as determined by California Air Resource Board Method 310.

## Toxicity to Aquatic Life

Acute LC<sub>50</sub> for algae: > 100 mg/L - Practically Non Toxic  
Acute LC<sub>50</sub> for fish:      > 100 mg/L - Practically Non Toxic  
Acute LC<sub>50</sub> for daphnia: > 100 mg/L - Practically Non Toxic

**Aquatic Biodegradability : Easily Biologically Degradable**  
**Bioaccumulation : Little chance on bioaccumulation**  
**Ecotoxicity (ingredients):**  
**- U.S. DOT- Appendix B - Marine Pollutant : 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.  
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Department issuing the MSDS: Product Safety Department  
End of MSDS