



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Starbrite Sea Safe Deck Cleaner

**Other means of identification**

**Product code** 897DC

**Recommended use** Cleaning products.

**Recommended restrictions** None known.

**Manufacturer / Importer / Supplier / Distributor information**

**Company name** Star brite Distributing, Inc.

**Address** 4041 SW 47th Avenue  
Fort Lauderdale, FL 33314 US  
US

**Telephone** General Information: (954) 587-6280

**E-mail** Not available.

**Contact person** Vincent Waclawek

**Emergency phone number** 24-Hour Emergency: CHEMTREC: (703) 527-3887  
or (800) 424-9300

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2B

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

### Label elements



**Signal word** Warning

**Hazard statement** Causes skin and eye irritation.

**Precautionary statement**

**Prevention** Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

**Response** If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Take off contaminated clothing and wash before reuse.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name                   | CAS number | %  |
|---------------------------------|------------|----|
| Isopropyl alcohol               | 67-63-0    | <5 |
| Sodium metasilicate             | 6834-92-0  | <5 |
| Dipropylene glycol methyl ether | 34590-94-8 | <2 |

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

|   |  |
|---|--|
| <b>Inhalation</b>   | If symptomatic, move to fresh air. Get medical attention if symptoms persist.  |
| <b>Skin contact</b>   | Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation develops or persists.  |
| <b>Eye contact</b>  | Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms persist. |
| <b>Ingestion</b>  | Seek medical advice.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Causes skin irritation. Causes eye irritation.   |
| <b>Indication of immediate medical attention and special treatment needed</b> | Treat symptomatically.   |

## 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Dry chemical. Water spray. Carbon dioxide or dry powder.  |
| <b>Unsuitable extinguishing media</b>                                | None known.   |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.   |
| <b>Special protective equipment and precautions for firefighters</b> | Not available.  |
| <b>Fire-fighting equipment/instructions</b>                          | Self-contained breathing apparatus, operated in positive pressure mode and full protective clothing must be worn in case of fire. |
| <b>Specific methods</b>  | Use water spray to cool unopened containers.  |

## 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Avoid inhalation of mist and contact with skin and eyes. In case of spills, beware of slippery floors and surfaces. Wear shoes with non-slip soles. Wear protective clothing as described in Section 8 of this safety data sheet.  |
| <b>Methods and materials for containment and cleaning up</b>               | <p>Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas. Dike the spilled material, where this is possible. Clean surface thoroughly to remove residual contamination.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece).</p> <p>Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.</p> <p>Never return spills to original containers for re-use.</p> |
| <b>Environmental precautions</b>   | Prevent further leakage or spillage if safe to do so. Do not contaminate water.  |

## 7. Handling and storage

|   |   |
|---|---|
| <b>Precautions for safe handling</b>                                | Use only with adequate ventilation. Avoid inhalation of mist and contact with skin and eyes. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Keep from freezing. Keep container closed. Store away from incompatible materials.  |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components                                       | Type | Value     |
|--|------|-----------|
| Dipropylene glycol methyl ether (CAS 34590-94-8) | PEL  | 600 mg/m3 |
|  |      | 100 ppm   |
| Isopropyl alcohol (CAS 67-63-0)                  | PEL  | 980 mg/m3 |
|  |      | 400 ppm   |

#### US. ACGIH Threshold Limit Values

| Components                                       | Type | Value   |
|--|------|---------|
| Dipropylene glycol methyl ether (CAS 34590-94-8) | STEL | 150 ppm |

## US. ACGIH Threshold Limit Values

| Components                      | Type | Value   |
|---------------------------------|------|---------|
| Isopropyl alcohol (CAS 67-63-0) | TWA  | 100 ppm |
|                                 | STEL | 400 ppm |
|                                 | TWA  | 200 ppm |

## US. NIOSH: Pocket Guide to Chemical Hazards

| Components                                       | Type | Value                 |
|--|------|-----------------------|
| Dipropylene glycol methyl ether (CAS 34590-94-8) | STEL | 900 mg/m3             |
|  | TWA  | 150 ppm<br>600 mg/m3  |
|  | STEL | 100 ppm<br>1225 mg/m3 |
| Isopropyl alcohol (CAS 67-63-0)                  | STEL | 1225 mg/m3            |
|  | TWA  | 500 ppm<br>980 mg/m3  |
|  | TWA  | 400 ppm               |

## Biological limit values

### ACGIH Biological Exposure Indices

| Components                      | Value   | Determinant | Specimen | Sampling Time |
|---------------------------------|---------|-------------|----------|---------------|
| Isopropyl alcohol (CAS 67-63-0) | 40 mg/l | Acetone     | Urine    | *             |

\* - For sampling details, please see the source document.

## Exposure guidelines

### US - California OELs: Skin designation

Dipropylene glycol methyl ether (CAS 34590-94-8) Can be absorbed through the skin.

### US - Tennessee OELs: Skin designation

Dipropylene glycol methyl ether (CAS 34590-94-8) Can be absorbed through the skin.

### US ACGIH Threshold Limit Values: Skin designation

Dipropylene glycol methyl ether (CAS 34590-94-8) Can be absorbed through the skin.

### US. NIOSH: Pocket Guide to Chemical Hazards

Dipropylene glycol methyl ether (CAS 34590-94-8) Can be absorbed through the skin.

### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Dipropylene glycol methyl ether (CAS 34590-94-8) Can be absorbed through the skin.

**Appropriate engineering controls** Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

## Individual protection measures, such as personal protective equipment

**Eye/face protection** Use approved safety goggles or face shield.

### Skin protection

**Hand protection** Wear appropriate chemical resistant gloves.

**Other** Wear suitable protective clothing.

**Respiratory protection** In case of inadequate ventilation, use respiratory protection.

**Thermal hazards** Not available.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

**Appearance** Clear, colorless liquid.

**Physical state** Liquid.

**Form** Liquid.

**Color** Colorless, clear.

**Odor** Pleasant.

**Odor threshold** Not available.

**pH** 10.5

**Melting point/freezing point** Not available.

|   |   |
|---|---|
| <b>Initial boiling point and boiling range</b>      | Not available.                                    |
| <b>Flash point</b>                                  | > 212.0 °F (> 100.0 °C) Pensky-Martens Closed Cup |
| <b>Evaporation rate</b>                             | Not available.                                    |
| <b>Flammability (solid, gas)</b>                    | Not available.                                    |
| <b>Upper/lower flammability or explosive limits</b> |   |
| <b>Flammability limit - lower (%)</b>               | Not available.                                    |
| <b>Flammability limit - upper (%)</b>               | Not available.                                    |
| <b>Explosive limit - lower (%)</b>                  | Not available.                                    |
| <b>Explosive limit - upper (%)</b>                  | Not available.                                    |
| <b>Vapor pressure</b>                               | Not available.                                    |
| <b>Vapor density</b>                                | Not available.                                    |
| <b>Relative density</b>                             | 1.05 (20°C)                                       |
| <b>Solubility(ies)</b>                              |   |
| <b>Solubility (water)</b>                           | Completely soluble in water.                      |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                                    |
| <b>Auto-ignition temperature</b>                    | Not available.                                    |
| <b>Decomposition temperature</b>                    | Not available.                                    |
| <b>Viscosity</b>                                    | Not available.                                    |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.  |
| <b>Conditions to avoid</b>                | Contact with incompatible materials.  |
| <b>Incompatible materials</b>             | Oxidizing agents.   |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Ingestion</b>    | May cause discomfort if swallowed.              |
| <b>Inhalation</b>   | May cause irritation to the respiratory system. |
| <b>Skin contact</b> | Causes skin irritation.                         |
| <b>Eye contact</b>  | Causes eye irritation.                          |

**Symptoms related to the physical, chemical and toxicological characteristics** Causes skin and eye irritation.

### Information on toxicological effects

**Acute toxicity** Not classified.

| Components                          | Species | Test Results |
|-------------------------------------|---------|--------------|
| Isopropyl alcohol (CAS 67-63-0)     |         |              |
| <b>Acute</b>                        |         |              |
| <i>Dermal</i>                       |         |              |
| LD50                                | Rabbit  | 12800 mg/kg  |
| <i>Oral</i>                         |         |              |
| LD50                                | Rat     | 4700 mg/kg   |
| Sodium metasilicate (CAS 6834-92-0) |         |              |
| <b>Acute</b>                        |         |              |
| <i>Dermal</i>                       |         |              |
| LD50                                | Rat     | > 5000 mg/kg |

| Components  | Species  | Test Results         |
|---|--|----------------------|
| <i>Inhalation</i><br>LC50                                 | Rat  | > 2.06 mg/l, 4 hours |
| <i>Oral</i><br>LD50                                       | Rat  | 994.7 - 1335.9 mg/kg |
| <b>Skin corrosion/irritation</b>                          | Causes skin irritation.  |                      |
| <b>Serious eye damage/eye irritation</b>                  | Causes eye irritation.   |                      |
| <b>Respiratory or skin sensitization</b>                  |  |                      |
| <b>Respiratory sensitization</b>                          | Not classified.  |                      |
| <b>Skin sensitization</b>                                 | Not classified.  |                      |
| <b>Germ cell mutagenicity</b>                             | Not classified.  |                      |
| <b>Carcinogenicity</b>                                    | This product is not considered to be a carcinogen by NTP, IARC, or OSHA. |                      |
| <b>Reproductive toxicity</b>                              | Not classified.  |                      |
| <b>Specific target organ toxicity - single exposure</b>   | Not classified.  |                      |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.  |                      |
| <b>Aspiration hazard</b>                                  | Not classified.  |                      |

## 12. Ecological information

|                                      |  |
|--------------------------------------|--|
| <b>Ecotoxicity</b>                   | Not expected to be harmful to aquatic organisms. |
| <b>Persistence and degradability</b> | Not available.                                   |
| <b>Bioaccumulative potential</b>     | Not available.                                   |
| <b>Mobility in soil</b>              | Not available.                                   |
| <b>Other adverse effects</b>         | Not available.                                   |

## 13. Disposal considerations

|  |   |
|--|---|
| <b>Disposal instructions</b>                 | Dispose of contents/container in accordance with local/regional/national/international regulations.     |
| <b>Hazardous waste code</b>                  | Waste codes should be assigned by the user based on the application for which the product was used.     |
| <b>Waste from residues / unused products</b> | Dispose of waste and residues in accordance with local authority requirements.                          |
| <b>Contaminated packaging</b>                | Since emptied containers retain product residue, follow label warnings even after container is emptied. |

## 14. Transport information

|   |                                   |
|---|-----------------------------------|
| <b>DOT</b>  | Not regulated as dangerous goods. |
| <b>IATA</b>   | Not regulated as dangerous goods. |
| <b>IMDG</b>   | Not regulated as dangerous goods. |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not available.                    |

## 15. Regulatory information

|   |   |        |
|---|---|--------|
| <b>US federal regulations</b>   | This product is hazardous according to OSHA 29 CFR 1910.1200. |        |
| <b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>      | Not regulated.  |        |
| <b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b> | Not listed.   |        |
| <b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>                     | Isopropyl alcohol (CAS 67-63-0)                               | LISTED |

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

### SARA 313 (TRI reporting)

| Chemical name     | CAS number | % by wt. |
|-------------------|------------|----------|
| Isopropyl alcohol | 67-63-0    | <5       |

## Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

## US state regulations

### US. Massachusetts RTK - Substance List

Dipropylene glycol methyl ether (CAS 34590-94-8)  
Isopropyl alcohol (CAS 67-63-0)

### US. New Jersey Worker and Community Right-to-Know Act

Dipropylene glycol methyl ether (CAS 34590-94-8)  
Isopropyl alcohol (CAS 67-63-0)

### US. Pennsylvania Worker and Community Right-to-Know Law

Dipropylene glycol methyl ether (CAS 34590-94-8)  
Isopropyl alcohol (CAS 67-63-0)

### US. Rhode Island RTK

Isopropyl alcohol (CAS 67-63-0)

### US. California Proposition 65

#### US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

## International Inventories

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

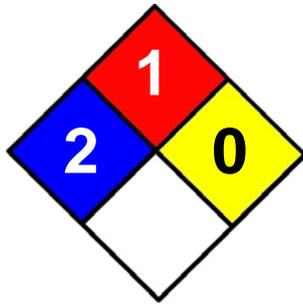
\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 10-April-2014  
**Revision date** -  
**Version #** 01

## NFPA Ratings



## Disclaimer

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Star brite assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Star brite assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.