

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** DS350  
**Product Name:** DS-350  
**Company Name:** Shepard Bros. Inc.  
503 S. Cypress St.  
La Habra, CA 90631  
**Phone Number:** +1 (562)697-1366  
**Web site address:** www.shepardbros.com  
**Emergency Contact:** CHEMTREC +1 (800)424-9300

**Product Category:**

## 2. HAZARDS IDENTIFICATION

**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 1**



**GHS Signal Word:** **Danger**  
**GHS Hazard Phrases:** H315 - Causes skin irritation.  
H318 - Causes serious eye damage.  
**GHS Precautionary Phrases:** P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
**GHS Response Phrases:** P302+352 - IF ON SKIN: Wash with plenty of soap and water. P332+313 - If skin irritation occurs, get medical advice/attention. P362 - Take off contaminated clothing and wash before re-use.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor/physician.  
P391 - Collect spillage.  
**GHS Storage and Disposal Phrases:** P501 - Dispose of contents and containers in accordance with local, regional, national, and international regulations.  
**Other Hazards:** Very toxic to aquatic life.  
**Potential Health Effects (Acute and Chronic):** Chronic: No information available.  
**Inhalation:** Irritating to the nose, throat and respiratory tract. May be harmful if inhaled.  
**Skin Contact:** May cause skin irritation. Can cause severe injury (reddening and swelling).  
**Eye Contact:** Mildly irritating to the eyes. Can cause severe eye irritation. Can cause moderate injury (reddening and swelling).  
**Ingestion:** Harmful if swallowed. May cause irritation of the digestive tract. Irritating to mouth, throat and stomach.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS #      | Hazardous Components (Chemical Name)                          | Concentration |
|------------|---|---------------|
| 68081-81-2 | Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | 5.0 -10.0 %   |
| 51580-86-0 | Sodium dichloro-s-triazinetriene                              | 1.0 -5.0 %    |

## 4. FIRST AID MEASURES

### Emergency and First Aid Procedures:

|                                 |  |
|---------------------------------|--|
| <b>In Case of Inhalation:</b>   | Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Get medical attention immediately.        |
| <b>In Case of Skin Contact:</b> | Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Gently wash with plenty of soap and water. Wash contaminated clothing separately before reuse. Get medical advice/attention.                                   |
| <b>In Case of Eye Contact:</b>  | Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get immediate medical advice/attention. |
| <b>In Case of Ingestion:</b>    | Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.   |
| <b>Note to Physician:</b>       | Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.   |

## 5. FIRE FIGHTING MEASURES

|  |  |
|--|--|
| <b>Flash Pt:</b>                         | NA   |
| <b>Explosive Limits:</b>                 | LEL: No data. UEL: No data.  |
| <b>Autoignition Pt:</b>                  | No data.   |
| <b>Suitable Extinguishing Media:</b>     | Dry chemical, CO2, water spray or regular foam.  |
| <b>Fire Fighting Instructions:</b>       | As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear. |
| <b>Flammable Properties and Hazards:</b> | Temperatures above 420F may produce nitrogen trichloramine and carbon monoxide.  |
| <b>Hazardous Combustion Products:</b>    | No data available.   |

## 6. ACCIDENTAL RELEASE MEASURES

|   |   |
|---|---|
| <b>Protective Precautions, Protective Equipment and Emergency Procedures:</b> | Use proper personal protective equipment as indicated in Section 8.   |
| <b>Environmental Precautions:</b>   | Do not let product enter drains, sewers, watersheds or water systems.   |
| <b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>             | Isolate hazard area. Keep unnecessary and unprotected personnel from entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Contain spill using an inert diking material. Transfer material into an approved container for possible recovery and reuse or for disposal. |

## 7. HANDLING AND STORAGE

|   |   |
|---|---|
| <b>Precautions To Be Taken in Handling:</b> | Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin or clothing. Do not ingest or inhale. Keep away from heat, sparks and flame.  |
| <b>Precautions To Be Taken in Storing:</b>  | Protect containers against damage. Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store in direct sunlight. Keep away from heat, sparks and flame. Keep container closed when not in use. |
| <b>Other Precautions:</b>                   | Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.  |



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| CAS #      | Partial Chemical Name   | OSHA TWA | ACGIH TWA | Other Limits |
|------------|---|----------|-----------|--------------|
| 68081-81-2 | Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | No data. | No data.  | No data.     |
| 51580-86-0 | Sodium dichloro-s-triazinetriene                              | No data. | No data.  | No data.     |

**Respiratory Equipment (Specify Type):** This material does not have established exposure limits. Wear a positive pressure air-supplied respirator in situations where there may be potential for airborne exposure.

**Eye Protection:** Safety glasses with side shields. Wear chemical splash goggles and a full-face shield where there is potential for eye contact.

**Protective Gloves:** Rubber gloves.

**Other Protective Clothing:** Lab coat and apron. Rubber or neoprene boots.

**Engineering Controls (Ventilation etc.):** Use adequate general or local exhaust ventilation to minimize exposure levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical States:** [ ] Gas [ ] Liquid [X] Solid

**Appearance and Odor:** Appearance: White. Powder.  
Odor: Odorless.

**pH:** 11 - 12

**Melting Point:** NA

**Boiling Point:** NA

**Flash Pt:** NA

**Evaporation Rate:** NA

**Flammability (solid, gas):** No data available.

**Explosive Limits:** LEL: No data. UEL: No data.

**Vapor Pressure (vs. Air or mm Hg):** NA

**Vapor Density (vs. Air = 1):** NA

**Specific Gravity (Water = 1):** NA

**Density:** NA

**Bulk density:** 1.06 G/ML

**Solubility in Water:** Complete

**Saturated Vapor Concentration:** NA

**Octanol/Water Partition Coefficient:** No data.

**Autoignition Pt:** No data.

**Decomposition Temperature:** No data.

**Viscosity:** NA

**Molecular Formula & Weight:** PROPRIETARY FORMULA 0.0



## 10. STABILITY AND REACTIVITY

**Reactivity:** Temperatures above 420F may produce nitrogen trichloramine and carbon monoxide.

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** Excess heat, Incompatible materials.

**Incompatibility - Materials To Avoid:** Strong acids, amines, Ammonia, Calcium hypochlorite, Sodium hypochlorite.

**Hazardous Decomposition or Byproducts:** Temperatures above 420F may produce nitrogen trichloramine and carbon monoxide.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions:** No data available.

## 11. TOXICOLOGICAL INFORMATION

**Toxicological Information:** Epidemiology: No information available.  
Teratogenicity: No information available.  
Reproductive Effects: No information available.  
Mutagenicity: No information available.  
Neurotoxicity: No information available. No information available.  
Teratogenicity: No information available.  
Reproductive Effects: No data available.  
Mutagenicity: No information available.  
Neurotoxicity: No data available.  
Other Studies: CAS# 68081-81-2:  
Acute toxicity, LD50, Oral, Rat, 438 mg/kg.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

## 12. ECOLOGICAL INFORMATION

**General Ecological Information:** Environmental: No data available.  
Physical: No information available.  
Other: Do not empty into drains.

**Results of PBT and vPvB assessment:** Other Studies: CAS# 51580-86-0:  
LC50, Bluegill (*Lepomis macrochirus*), 0.460 ppm, 96H, Mortality  
LC50, Rainbow trout (*Oncorhynchus mykiss*), 0.250 ppm, 96H, Mortality  
Effective concentration to 50% of test organisms, Water Flea (*Daphnia magna*), 0.280 ppm, 48H, Intoxication

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.



SHEPARD BROS.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.  
RCRA P-Series: None listed.  
RCRA U-Series: None listed.

### 14. TRANSPORT INFORMATION

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated.

**DOT Hazard Class:**

**UN/NA Number:**

### 15. REGULATORY INFORMATION

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

| CAS #      | Hazardous Components (Chemical Name)                          | S. 302 (EHS) | S. 304 RQ | S. 313 (TRI) |
|------------|---|--------------|-----------|--------------|
| 68081-81-2 | Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | No           | No        | No           |
| 51580-86-0 | Sodium dichloro-s-triazinetriene                              | No           | No        | No           |

**This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:**

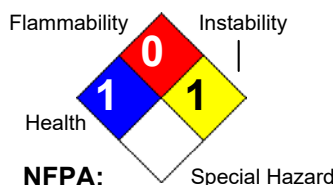
|   |  |
|---|--|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explosive   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Acute toxicity (any route of exposure)                       |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flammable (gases, aerosols, liquid, or solid)     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Skin Corrosion or Irritation                                 |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Oxidizer (liquid, solid or gas)                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Serious eye damage or eye irritation                         |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-reactive                                     | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Respiratory or Skin Sensitization                            |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric (liquid or solid)                      | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Germ cell mutagenicity                                       |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric gas                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Carcinogenicity  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-heating                                      | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Reproductive toxicity  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Organic peroxide                                  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specific target organ toxicity (single or repeated exposure) |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrosive to metal                                | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Aspiration Hazard  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gas under pressure (compressed gas)               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Simple Asphyxiant  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No In contact with water emits flammable gas         | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Health) Hazard Not Otherwise Classified (HNOC)              |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Combustible Dust                                  |  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Physical) Hazard Not Otherwise Classified (HNOC) |  |

| CAS #      | Hazardous Components (Chemical Name)                          | Other US EPA or State Lists                                |
|------------|---|--|
| 68081-81-2 | Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No |
| 51580-86-0 | Sodium dichloro-s-triazinetriene                              | TSCA: No; CA PROP.65: No; CA TAC, Title 8: No              |

### 16. OTHER INFORMATION

**Revision Date:** 11/19/2020

**Hazard Rating System:**



**Additional Information About** No data available.

**This Product:**

**Company Policy or Disclaimer:** Information presented herein is believed to be accurate and reliable to the best of our knowledge. However, we make no warranty or merchantability or any other warranty,



# SAFETY DATA SHEET

## DS-350

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Supersedes Revision: 04/09/2015

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