**Industrial Boiler & Heater**
21614 FM 2100
Crosby, TX 77532
Phone: 281-407-6288

# SAFETY DATA SHEET

## I. IDENTIFICATION

**GHS Product Identifier:** **ISPERSE B-859**
**Synonyms:** None
**General Description:** Industrial water treatment product
**Revision Date:** 02/19/18
**24 hour Emergency Response:** INFOTRAC 800-535-5053
**Recommended Use:** Boiler water scale dispersant

| FPA Rating | |
|---|---|
| Health | 0 |
| Fire | 0 |
| Reactivity | 0 |

**Rating Scale**
4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant

## II. HAZARD IDENTIFICATION

**Hazard Classification:** Skin irritation, category 0
Eye irritation, category 0

**Signal Word:** None
**Hazard Statement(s):**

**Pictograms of related hazards**:

**Precautionary Statements:**
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.
P321: Specific treatment (see First Aid Measures on Safety Data Sheet)
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
**Description of other Hazards:** None known

## III. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient(s) | CAS Number | Approximate Wt. |
|---|---|---|

The product does not contain any hazardous ingredients as defined by OSHA 29 CFR 1910.1200

## IV. FIRST-AID MEASURES

**Eye Contact:** Immediately flush eyes with running water for at least 15 minutes. Seek medical attention if irritation develops or persists.

**Skin Contact:** Wash off with soap and water. Seek medical attention if irritation develops or persists.

**Ingestion:** If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

**Inhalation:** Move to fresh air. Seek medical advice if effects persist.

**Note to Physicians:** None

## V. FIRE-FIGHTING MEASURES

**Extinguishing Media:** To extinguish combustible residues of this product, use water fog, carbon dioxide, dry chemical, or foam.

**Fire and Explosion Hazards:** The material will not burn.

**Hazardous products of combustion:** Decomposes on heating emitting fumes and oxides of carbon.

**Fire Fighting Equipment:** In the event of a fire, self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

## VI. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear protective equipment to prevent skin and eye contact. Avoid breathing in vapors. May be a slipping hazard. Work up wind or increase ventilation. Contain / prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers or drums for disposal.

**Environmental Precautions:** Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.

**Methods for clean-up:**

**Small Spill:** Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers or drums for disposal.

**Large Spill:** Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers or drums for disposal.

## VII. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Refer to “Exposure Controls/Personal Protection,” Section 8, of the MSDS.

**Storage:** Keep containers tightly closed when not in use. Do not store near food, foodstuff, drugs or potable water supplies. Storage must only be in original containers.

**Note:**

## VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits:**

| | |
|---|---|
| **OSHA Permissible Exposure Limits (PELs):** | Not Available |
| **American Conference of Governmental Industrial Hygienists (ACGIH):** | Not Available |
| **Threshold Limit Values (TLVs):** | Not Available |
| **Other Exposure Limits:** | Not Available |

**Engineering Controls:** Natural ventilation should be adequate under normal use conditions. If inhalation risk exists: Use with local exhausts ventilation or while wearing suitable mist respirator. Keep containers closed when not in use. Maintain eye wash fountain and quick-drench facilities in work area.

**Personal Protection:**

| | |
|---|---|
| **Eye Protection:** | Use chemical safety glasses with side shields, goggles, or face shield are recommended. |
| **Hand Protection:** | Wear protective gloves |
| **Skin Protection:** | Wear clean body-covering clothing or apron |
| **Respiratory Protection:** | Mist respirator as needed |



## IX. PHYSICAL AND CHEMICAL PROPERTIES

| Property | Value | Test Used (if applicable) |
|---|---|---|
| **Appearance:** | Clear to amber liquid | |
| **Odor:** | Mild | |
| **pH (neat):** | 8.0 – 9.0 | |
| **Specific Gravity:** | 1.14 g/mL ( ± 0.05) | |
| **Relative Density:** | 9.5 lb/gallon | |
| **Melting/Freezing Point:** | 35°F | |
| **Initial Boiling Point and boiling range:** | 212°F | |
| **Flash Point:** | None | |
| **Solubility (water):** | Complete | |

| | |
|---|---|
| **Intrinsic Viscosity:** | Not available |
| **Flammability (solid, gas):** | Not available |
| **Upper/Lower flammability limits:** | Not available |
| **Vapor Pressure:** | Not available |
| **Vapor Density:** | Not available |
| **Evaporation rate:** | Not available |
| **Auto-ignition Temperature:** | Not available |
| **Decomposition Temperature:** | Not available |
| **Partition coefficient: n-octanol/water:** | Not available |

**Note:** These physical properties are typical values for this product and not specifications.

## X. STABILITY AND REACTIVITY

**Reactivity Data:** No specific data for this product

**Chemical Stability:**

| | |
|---|---|
| **Stability under normal conditions:** | Stable under ordinary conditions of use and storage. |
| **Stabilizers needed:** | None needed |

**Other Information:**

| | |
|---|---|
| **Conditions to avoid:** | Product can decompose at elevated temperatures. |
| **Materials to avoid:** | Strong oxidizing and reducing agents, aldehydes, caustic materials |
| **Hazardous reactions:** | Will not occur. |
| **Hazardous decomposition products:** | Oxides of nitrogen, oxides of carbon, oxides of sulfur |

## XI. TOXICOLOGICAL INFORMATION

| | |
|---|---|
| **Toxicity Studies:** | No toxicity studies have been conducted on this product. |
| **Acute Toxicity:** | No LD50 data available for the product. |
| **Acute oral LD50 (rat):** | No LD50 data available for the product. |
| **Acute dermal LD50 (rabbit):** | No LD50 data available for the product. |
| **Skin Corrosion/Irritation:** | Not available |
| **Serious Eye Damage/Irritation:** | Not available |
| **Respiratory or Skin Sensitization:** | Not available |
| **Germ Cell Mutagenicity:** | Not available |
| **Carcinogenicity:** | Not available |
| **Reproductive Toxicity:** | Not available |
| **STOT-single exposure:** | Not available |
| **STOT-repeated exposure:** | Not available |
| **Aspiration Hazard:** | Not available |

## XII. ECOLOGICAL INFORMATION

| | |
|---|---|
| **Toxicity:** | No ecological studies have been conducted on this product. |
| **Persistence and Degradability:** | The product is expected to be rapidly biodegradable. |
| **Bioaccumulative Potential:** | The product is not expected to significantly bioaccumulate. |
| **Mobility in Soil:** | NA |
| **Other Adverse Effects:** | Not available |

## XIII. DISPOSAL CONSIDERATIONS

**Recommended Disposal Containers:** N/A
**Recommended Disposal Methods:** Consult local regulations regarding proper disposal as they may be more restrictive or otherwise different from Federal/International regulations. Not an EPA Hazardous Waste.
**Physical and Chemical Properties that Affect Disposal:** N/A
**Sewage Disposal:** N/A
**Special Precautions for Landfills or Incineration:** N/A

## XIV. TRANSPORT INFORMATION

The proper shipping name and/or hazard class for this product may vary according to packaging, properties and mode of transportation. Typical proper shipping names for this product are:

**Transportation Mode:** **DOT**
DOT Status: Non-Regulated
UN/ID Number:
Proper Shipping Name:
Technical Name:
Hazard Class (subclass):
Packing Group:

**Transportation Mode:** **IATA/ICAO**
IATA/ICAO Status: Non-Regulated
UN/ID Number:
Proper Shipping Name:
Technical Name:
Hazard Class (subclass):
Packing Group:

**Transportation Mode:** **IMDG**
IMDG Status: Non-Regulated
UN/ID Number:
Proper Shipping Name:
Technical Name:
Hazard Class (subclass):
Packing Group:

**Other Information:**
**Harmonized Tariff Number:** Not available
**Flash Point:** Not available
**RQ lbs:** Not available
**RQ Component(s):** Not available

## XV. REGULATORY INFORMATION

### US Federal Regulations:

**OSHA Hazard Communication Status**: None

**TSCA:** The ingredients of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

**CERCLA: EPA Hazardous Substances (40 CFR 302):**

| Chemical Name | CERCLA Reportable Quantity (RQ) |
|---|---|
| None | |

**SARA TITLE III (Sections 302, 311, 312, and 313):**

**Section 302 Extremely Hazardous Substances (40 CFR 355):**

| Chemical Name | CAS# | RQ | TPQ |
|---|---|---|---|
| None | | | |

**Section 311 and 312 Health and Physical Hazards:**

| Immediate | Delayed | Fire | Pressure | Reactivity |
|---|---|---|---|---|
| no | no | no | no | no |

**Section 313 Toxic Chemicals (40 CFR 372)**:

| Chemical Name | CAS Number | Percent by Weight |
|---|---|---|
| None | | |

**US State Regulations:**
California Proposition 65: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**There are no known additional requirements necessary for compliance with State Right to Know Regulations.**

**International Inventories:**
Inventory name:

| Country(s) or region Inventory name: | On inventory (yes/no) |
|---|---|
| Canada Domestic Substances List (DSL): | No |
| Canada Non-Domestic Substances List (NDSL): | No |

## XVI. OTHER INFORMATION

| | |
|---|---|
| Revision Date: | 02/19/2018 |
| Revision Number: | 5 |
| Reason for revision: | Density and pH change |

**NOTICE:** The information accumulated herein is believed to be accurate based on the information provided, although no guarantee or warranty, either expressed or implied is made as to the accuracy or completeness of this information, whether originating with this company or not. Recipients are advised to confirm in advance of need that the information is correct, applicable and suitable to their circumstances. The conditions or methods of handling, storage, use and disposal of the product and container are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage or use of this information or product. If the product is used as a component in another product, this information may not be applicable.