



# SAFETY DATA SHEET

Revision Date: 06-18-2018

Version 2 , RLD 3

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Code(s):** 951780840SC  
**Product Name** RelaTECH SC 840 Sump Cleaner  
**Recommended use** Cleaning product Any other purpose.  
**Uses advised against**

### **Manufacturer, Importer, Supplier**

RelaDyne, LLC  
8280 Montgomery Road,  
Suite 101  
Cincinnati, OH 45236  
888-830-3156  
www.reladyne.com

### Emergency telephone number

INFOTRAC 800-535-5053

## SECTION 2: HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization	Category 1
Specific target organ toxicity (repeated exposure)	Category 1

### GHS Label elements, including precautionary statements

#### **Signal Word**

DANGER

#### **Hazard Statements**

May cause an allergic skin reaction  
Causes damage to organs through prolonged or repeated exposure



### **Precautionary Statements**

**Precautionary Statements - Prevention**

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

**Precautionary Statements - Response**

Get medical advice/attention if you feel unwell

Specific treatment is urgent (see supplemental first aid instructions on this label)

**Skin**

IF ON SKIN: Wash with plenty of soap and water

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other information**

Not applicable

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

This product is a mixture. Health hazard information is based on its ingredients.

Chemical Name	CAS-No	Weight %
Sodium Carbonate (Soda Ash)	497-19-8	2.5% - 10%
2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	4719-04-4	1% - 2.5%
Neutralised boric acid	10043-35-3*	1% - 2.5%
Borax (B <sub>4</sub> Na <sub>2</sub> O <sub>7</sub> ·10H <sub>2</sub> O)	1303-96-4	1% - 2.5%

**Additional information**

SVHC. ...Contains... BORIC ACID Concentration: < 5,5%.

**SECTION 4: FIRST AID MEASURES****4.1. Description of first-aid measures****General advice**

Do not get in eyes, on skin, or on clothing. May produce an allergic reaction. When symptoms persist or in all cases of doubt seek medical advice. Do not breathe dust/fume/gas/mist/vapors/spray.

**Inhalation**

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur.

**Skin contact**

Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

**Ingestion**

Clean mouth with water and afterwards drink plenty of water. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

**Protection of First-aiders**

Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect

themselves.

#### 4.2. Most important symptoms and effects, both acute and delayed

**Main Symptoms** Rash, Redness, Itching, May cause allergic skin reaction

#### 4.3. Indication of immediate medical attention and special treatment needed

**Notes to physician** Treat symptomatically. May cause sensitization of susceptible persons.

### SECTION 5: FIRE FIGHTING MEASURES

#### 5.1. Extinguishing media

##### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment:, Use CO2, dry chemical, or foam, Water spray or fog

##### **Extinguishing media which shall not be used for safety reasons**

None

#### 5.2. Special hazards arising from the substance or mixture

##### **Special Hazard**

Thermal decomposition can lead to release of irritating gases and vapors.

##### **Hazardous Decomposition Products**

None under normal use

#### 5.3. Advice for firefighters

##### **Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak.

**Advice for non-emergency personnel** Keep people away from and upwind of spill/leak. Material can create slippery conditions.

**Advice for emergency responders** For personal protection see section 8.

#### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

#### 6.3. Methods and materials for containment and cleaning up

After cleaning, flush away traces with water.

#### 6.4. Reference to other sections

See Section 8/12/13 for additional information

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

**7.2. Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions**

Keep container tightly closed in a dry and well-ventilated place.

**Recommended Shelf Life**

No information available.

**Incompatible Materials**

Strong oxidizing agents, Strong acids, Strong bases

**7.3. Specific end uses**

**Specific use(s)** Cleaning product

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA WEEL
Neutralised boric acid 10043-35-3*	STEL: 6 mg/m <sup>3</sup> inhalable fraction TWA: 2 mg/m <sup>3</sup> inhalable fraction			
Borax (B <sub>4</sub> Na <sub>2</sub> O <sub>7</sub> ·10H <sub>2</sub> O) 1303-96-4	STEL: 6 mg/m <sup>3</sup> inhalable fraction TWA: 2 mg/m <sup>3</sup> inhalable fraction	(vacated) TWA: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	

**Other Exposure Guidelines**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Exposure controls**

**Engineering Measures**

Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**

Tightly fitting safety goggles.

**Skin and body protection**

Wear protective gloves/clothing.

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

<b>Physical state @20°C</b>	liquid	<b>Appearance</b>	clear colorless
<b>Odor</b>	No information available	<b>Odor Threshold</b>	Not Applicable

<u>Property</u>	<u>Values</u>	<u>Note</u>
<b>pH</b>	10.0	
<b>Melting Point / Freezing Point</b>	No information available	
<b>Boiling point/boiling range</b>	102 °C / 216 °F	
<b>Flash point</b>	Not Applicable	
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	Not flammable.	
<b>Flammability Limits in Air</b>		
<b>upper flammability limit</b>	No information available	
<b>Lower flammability limit</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Relative density</b>	1.15	@15.5°C
<b>Solubility(ies)</b>	Soluble in water	
<b>Partition coefficient: n-octanol/water</b>	Not Applicable	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Viscosity, kinematic</b>	No information available	
<b>Explosive properties</b>	Not Applicable	
<b>Oxidizing Properties</b>	Not Applicable	

**9.2 Other information**

<b>Viscosity, kinematic (100°C)</b>	No information available
<b>Pour point</b>	No information available
<b>VOC Content (ASTM E-1868-10)</b>	No information available
<b>VOC Content</b>	No information available

**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

None under normal use conditions

**10.2. Chemical stability**

Stable under normal conditions

**10.3. Possibility of hazardous reactions**

None under normal use conditions

**10.4. Conditions to avoid**

Do not freeze

**10.5. Incompatible Materials**

Strong oxidizing agents, Strong acids, Strong bases

**10.6. Hazardous decomposition products**

None under normal use conditions

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

<b>Product Information</b>	There is no data available for this product
<b>Inhalation</b>	There is no data available for this product.
<b>Eye contact</b>	There is no data available for this product.
<b>Skin contact</b>	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
<b>Ingestion</b>	There is no data available for this product.

**Component Information**

Chemical Name	LD50 Oral (Rat)	LD50 Dermal (Rat/Rabbit)	LC50 Inhalation
Sodium Carbonate (Soda Ash) 497-19-8	4090 mg/kg ( Rat )	>2000 mg/kg ( Rabbit )	800 mg/m <sup>3</sup>
2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol 4719-04-4	= 763 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	0.371 mg/L (4h) (Rat)
Neutralised boric acid 10043-35-3*	3500 mg/kg ( Rat )		
Borax (B <sub>4</sub> Na <sub>2</sub> O <sub>7</sub> ·10H <sub>2</sub> O) 1303-96-4	4500mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	

**Information on toxicological effects**

**Symptoms** Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	May cause sensitization by skin contact.
<b>Germ Cell Mutagenicity</b>	None known.
<b>Carcinogenicity</b>	None known.
<b>Reproductive toxicity</b>	Contains a known or suspected reproductive toxin.
<b>Specific target organ systemic toxicity (single exposure)</b>	None known.
<b>Specific target organ systemic toxicity (repeated exposure)</b>	Causes damage to organs through prolonged or repeated exposure if inhaled.
<b>Aspiration hazard</b>	None known.

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

No special environmental measures are necessary

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Sodium Carbonate (Soda Ash)	242: 120 h Nitzschia mg/L EC50	300: 96 h Lepomis macrochirus mg/L LC50 static <310-1220: 96 h Pimephales promelas mg/L LC50 static		265: 48 h Daphnia magna mg/L EC50
2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	6.66: 72 h Desmodemus subspicatus mg/L EC50	16.07: 96 h Brachydanio rerio mg/l LC50		11.9: 48 h Daphnia magna mg/L EC50
Neutralised boric acid	>28: 72 h Selenastrum capricornutum mg/L EC50	1020: 72 h Carassius auratus mg/L LC50 flow-through 627: 96 h Oncorhynchus tshawytscha mg/L LC50		115 - 153: 48 h Daphnia magna mg/L EC50
Borax (B4Na2O7.10H2O)	24: 96 h Scenedesmus subspicatus mg/L EC10	74: 96 h Limanda limanda mg/L LC50		242: 24 h Daphnia magna mg/L EC50

**Persistence and degradability**

No information available.

**Bioaccumulation**

Chemical Name	log Pow
Borax (B4Na2O7.10H2O) 1303-96-4	-0.757

**Mobility**

Will likely be mobile in the environment due to its water solubility.

**Other adverse effects**

No information available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment**

**Waste Disposal Methods**

Dispose of in accordance with federal, state, and local regulations.

**Contaminated packaging**

Observe all label precautions until container is cleaned, reconditioned or destroyed.

**SECTION 14: TRANSPORT INFORMATION**

**DOT**

Not regulated

**TDG**

Not regulated

**ICAO/IATA**

Not regulated

**IMDG/IMO**

Not regulated

**SECTION 15: REGULATORY INFORMATION**

**International Inventories**

TSCA	Complies
DSL	Complies
AICS	Complies
PICCS	Does not Comply
KECL	Does not Comply

**IECSC**  
**ENCS**

Complies  
Does not Comply

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**AICS** - Australian Inventory of Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

### U.S. Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	no
<b>Sudden Release of Pressure Hazard</b>	no
<b>Reactive Hazard</b>	no

#### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### U.S. State Regulations

#### SCAQMD Rule 1144

This product has not been tested for VOC content by the ASTM E-1868-10 method and is not approved for sale or distribution in the SCAQM District of California if the product is used as a metal forming, metal removal, metal treating, metal protection fluid or as a direct-contact lubricant.

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### International Regulations

#### Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

#### **WHMIS Hazard Class**

D2B Toxic materials

#### Other information

Not applicable



**SECTION 16: OTHER INFORMATION****NFPA**

Health Hazard 3

Flammability 1

Instability 0

Physical and chemical hazards -

**Key or legend to abbreviations and acronyms used in the safety data sheet**

STOT SE - Specific target organ systemic toxicity (Single exposure)

STOT RE - Specific target organ systemic toxicity (repeated exposure)

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

VOC - Volatile organic compounds

NIOSH IDLH: Immediately Dangerous to Life or Health

**Revision Date:** 06-18-2018**Revision Note** 06-18-2018 Revision Section 1 Updated

No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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