

SAFETY DATA SHEET

440-R SMT Detergent

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Printed: 02/28/2023

Revision: 02/28/2023

Supersedes Revision: 10/07/2020

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: SMTDET-001-BULK
Product Name: 440-R SMT Detergent
Company Name: Smart Sonic
837 E. 79th Street
Cleveland, OH 44103
Emergency Contact: CHEMTREC

Phone Number:
+1 (818)707-3110
+1 (800)424-9300

2. HAZARDS IDENTIFICATION

Acute Toxicity: Oral, Category 4

Skin Corrosion, Category 1A

Serious Eye Damage, Category 1



GHS Signal Word: **Danger**

GHS Hazard Phrases: Harmful if swallowed.
Causes severe skin burns and eye damage.
Causes serious eye damage.

GHS Precautionary Phrases: Keep out of reach of children.
Read label before use.
Do not get in eyes, on skin, or on clothing.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection.

GHS Response Phrases: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Get immediate medical advice/attention.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash with plenty of soap and water.
If skin irritation occurs, get medical attention.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/attention.

GHS Storage and Disposal Phrases: Store locked up.
Dispose of contents/container to ...

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Skin Contact: May cause a burning sensation of the skin. May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation and burns.

Ingestion: May be harmful if swallowed. May cause gastrointestinal irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS # | Hazardous Components (Chemical Name) | Concentration |
|------------|--------------------------------------|---------------|
| NA | Surfactant | < 5.0 % |
| 1310-73-2 | Sodium hydroxide | < 5.0 % |
| 1344-09-8 | Sodium silicate | <10.0 % |
| 12626-49-2 | Alkyldiphenyloxide Disulfonate | < 5.0 % |

4. FIRST AID MEASURES

Emergency and First Aid

Procedures:

In Case of Skin Contact: Flush skin with plenty of water. Get medical aid if irritation develops or persists.

In Case of Eye Contact: 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. Continue rinsing. Get medical aid immediately.

In Case of Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. If victim is conscious and alert, give 2-4 cupfuls of water. Get medical attention immediately.

Note to Physician: Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt: No data.

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

Autoignition Pt: No data.

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool.

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: No data available.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Use proper personal protective equipment as indicated in Section 8.

Environmental Precautions: Do not let this chemical enter the environment. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section.

Steps To Be Taken In Case Material Is Released Or Spilled: Provide ventilation. Do not get water on spilled substances or inside containers. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

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7. HANDLING AND STORAGE

| | |
|---|--|
| Precautions To Be Taken in Handling: | Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Keep container tightly closed. |
| Precautions To Be Taken in Storing: | Store in a cool, dry, well-ventilated area away from incompatible substances. Store in a tightly closed container. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| CAS # | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
|------------|--------------------------------|--------------------------|---------------------------|--------------|
| NA | Surfactant | No data. | No data. | No data. |
| 1310-73-2 | Sodium hydroxide | PEL: 2 mg/m ³ | CEIL: 2 mg/m ³ | No data. |
| 1344-09-8 | Sodium silicate | No data. | No data. | No data. |
| 12626-49-2 | Alkyldiphenyloxide Disulfonate | No data. | No data. | No data. |

Respiratory Equipment (Specify Type): Respiratory protection is not required under normal use.

Eye Protection: Wear chemical splash goggles.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): No data available.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance and Odor: Colorless. to. Pale yellow. Liquid.
Transparent.

pH: 12.3 - 13.3

Melting Point: No data.

Boiling Point: No data.

Flash Pt: No data.

Evaporation Rate: No data.

Flammability (solid, gas): No data available.

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

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Specific Gravity (Water = 1): 1.052 - 1.072

Solubility in Water: No data.

Saturated Vapor Concentration: No data.

Octanol/Water Partition Coefficient: No data.

Autoignition Pt: No data.

Decomposition: No data.

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Temperature:**Viscosity:** No data.**Information with regard to primary physical hazard:**

10. STABILITY AND REACTIVITY

Reactivity: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.**Stability:** Unstable [] Stable [X]**Conditions To Avoid -** Incompatible materials, ignition sources.**Instability:****Incompatibility - Materials To** Strong acids.**Avoid:****Hazardous Decomposition or** No data available.**Byproducts:****Possibility of Hazardous** Will occur [] Will not occur [X]**Reactions:****Conditions To Avoid -** No data available.**Hazardous Reactions:**

11. TOXICOLOGICAL INFORMATION

Toxicological Information: Epidemiology: No data available.
Teratogenicity: No data available.
Reproductive Effects: No data available.
Mutagenicity: No data available.
Neurotoxicity: No data available.

CAS# 1310-73-2: Sodium hydroxide: Acute toxicity, LC50, Inhalation, Rat, 10000. PPM, 5 H.

Acute toxicity, LD50, Skin, Species: Rabbit, 13.00 GM/KG.

Acute toxicity, LD50, Oral, Rat, 325.0 MG/KG.

Acute toxicity, LD50, Dermal, Rabbit, 1350. MG/KG.

CAS# 1344-09-8: Sodium silicate: Acute toxicity, LD50, Oral, Species: Mammal, 2000. mg/kg.

Acute toxicity, LD50, Oral, Rat, 3400. MG/KG.

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

12. ECOLOGICAL INFORMATION

General Ecological Environmental: No information available.
Information: Physical: No information available.

CAS# 1310-73-2: Sodium hydroxide: LC50, Common Shrimp, Sand Shrimp (Crangon crangon), adult(s), 33000. - 100000. UG/L, 48 H, Mortality.

LC50, Western Mosquitofish (Gambusia affinis), adult(s), 125000. UG/L, 24 H, Mortality.

LC50, Goldfish (Carassius auratus), 160000. UG/L, 24 H, Mortality.

Persistence and No data available.
Degradability:

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

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. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.**DOT Hazard Class:****UN/NA Number:**

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated.**UN Number:****Packing Group:****Hazard Class:**

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) |
|------------|--------------------------------------|--------------|-----------|--------------|
| NA | Surfactant | No | No | No |
| 1310-73-2 | Sodium hydroxide | No | Yes NA | No |
| 1344-09-8 | Sodium silicate | No | No | No |
| 12626-49-2 | Alkyldiphenyloxide Disulfonate | 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 checked="" type="checkbox"/> Yes <input 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 type="checkbox"/> Yes <input checked="" 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

| | | |
|------------|--------------------------------|--|
| NA | Surfactant | TSCA: No; CA PROP.65: No; CA TAC, Title 8: No |
| 1310-73-2 | Sodium hydroxide | TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIb, Title 8 |
| 1344-09-8 | Sodium silicate | TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No |
| 12626-49-2 | Alkyldiphenyloxide Disulfonate | TSCA: No; CA PROP.65: No; CA TAC, Title 8: No |

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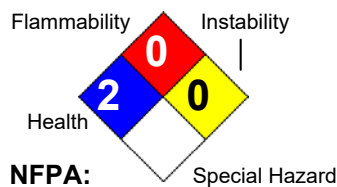
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16. OTHER INFORMATION

Revision Date: 02/28/2023

Previous revision: 10/07/2020

Hazard Rating System:



Additional Information About This Product: No data available.

Company Policy or Disclaimer:

While Smart Sonic believes the statements set forth herein are accurate as of the date hereof, Smart Sonic makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation, and verification.