

SAFETY DATA SHEET

440-R SMT Detergent

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Printed: 04/16/2015
Revision: 03/27/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: SMTDET-001-BULK
Product Name: 440-R SMT Detergent
Company Name: SMT Detergent Corporation
4607 Lakeview Canyon Road, #264
Westlake Village, CA 91361
Phone Number: +1 (818)707-3110
Emergency Contact: CHEMTREC +1 (800)424-9300

2. HAZARDS IDENTIFICATION

Serious Eye Damage/Eye Irritation, Category 2A

Acute Toxicity: Oral, Category 4

Skin Corrosion/Irritation, Category 3



GHS Signal Word: Warning

GHS Hazard Phrases: H302 - Harmful if swallowed.
H320 - Causes eye irritation.
H315 - Causes skin irritation.

GHS Precaution Phrases: P102 - Keep out of reach of children.
P103 - Read label before use.
P260 - Do not breathe mist/vapors/spray.
P262 - Do not get in eyes, on skin, or on clothing.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection.

GHS Response Phrases: P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P313 - Get medical advice/attention.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P315 - Get immediate medical advice/attention.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P315 - Get immediate medical advice/attention.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with plenty of water for 15 minutes.
P332+313 - If skin irritation occurs, get medical advice/attention.
P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases: P501 - Dispose of contents/container in accordance to local, state and federal regulations.

Potential Health Effects (Acute and Chronic):

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Skin Contact: Causes skin irritation. May be harmful if absorbed through the skin.

Eye Contact: Causes eye irritation. Causes eye burns.

Ingestion: Harmful if swallowed. May cause irritation of the digestive tract.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
NA	Surfactant	<10.0 %
1310-73-2	Sodium hydroxide	< 3.0 %
NA	Proprietary	<10.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation:	Remove from exposure and move to fresh air immediately. Get medical aid.
In Case of Skin Contact:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical aid immediately.
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 immediate medical advice/attention.
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:	NP
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	NA
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or appropriate foam. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.
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. The product itself does not burn.
Flammable Properties and Hazards:	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:	Observe all federal, state, and local environmental regulations. Do not let product enter drains, sewers, watersheds or water systems.
Steps To Be Taken In Case Material Is Released Or Spilled:	Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid breathing vapors, mist or gas.

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.
Precautions To Be Taken in Storing:	Keep away from acids. Keep container tightly closed in a dry and well-ventilated place.

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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/m3	CEIL: 2 mg/m3	No data.
NA	Proprietary	No data.	No data.	No data.

- Respiratory Equipment (Specify Type):** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.
- Eye Protection:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- 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.):** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
- Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical States:** Gas Liquid Solid
- Appearance and Odor:** Light yellow.
Mild. Pleasant.
Transparent.
- Melting Point:** NP
- Boiling Point:** NP
- Decomposition Temperature:** NA
- Autoignition Pt:** NA
- Flash Pt:** NP
- Explosive Limits:** LEL: No data. UEL: No data.
- Specific Gravity (Water = 1):** 1.052 - 1.072
- Density:** NA
- Bulk density:** NA
- Vapor Pressure (vs. Air or mm Hg):** < 0.1 mm Hg
- Vapor Density (vs. Air = 1):** > 1
- Evaporation Rate:** NP
- Solubility in Water:** 100%
- Saturated Vapor Concentration:** NP
- Viscosity:** NP
- pH:** 12.4 (as concentrate)
- Percent Volatile:** 0.0% (no VOCs)

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Particle Size: NA
Heat Value: NA

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]
Conditions To Avoid - Incompatible materials, Excess heat.
Instability:
Incompatibility - Materials To Avoid: Acids, Strong oxidizing agents.
Hazardous Decomposition or Byproducts: No data available.
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 found.
Reproductive Effects: No information available.
Teratogenicity: No information available.
Mutagenicity: No information available.
Neurotoxicity: No information available.

Irritation or Corrosion: Other Studies: CAS# 1310-73-2
Acute toxicity, LD50, Oral, Mouse, 5800mg/kg.

Carcinogenicity/Other Information: Other Studies: CAS# 1310-73-2
Standard Draize Test, Eyes, Species: Rabbit, 400.0 ug
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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

12. ECOLOGICAL INFORMATION

General Ecological Information: Environmental: A certified safe technology of the California Environmental Protection Agency (EPA) and verified environmentally safe, user safe and effective by the U.S. EPA's Environmental Technology Verification (ETV) Program.
<http://archive.epa.gov/nrmrl/archive-etv/fp-pprwt.html#acbc> (Smart Sonic Corp.)

RoHS and REACH Compliant

Physical: Contains no volatile organic compounds (VOC's)

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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 261.3. 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:**

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 1000 LB	No
NA	Proprietary	No	No	No

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, Title 8
NA	Proprietary	TSCA: No; CA PROP.65: No; CA TAC, Title 8: No

16. OTHER INFORMATION

Revision Date: 03/27/2015**Hazard Rating System:****Additional Information About** No data available.**This Product:****Company Policy or Disclaimer:**

While SMT Detergent Corporation believes the statements set forth herein are accurate as of the date hereof, SMT Detergent Corporation 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.