

## 440-R<sup>®</sup> SMT DETERGENT

### MATERIAS SAFETY DATA SHEET (MSDS)

#### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: 440-R SMT Detergent

Manufacturer: SMT Detergent Corp.  
4607 Lakeview Canyon Rd. #264  
Westlake Village, CA 91361  
U.S.A.

Telephone Number: +1(818) 707-3110  
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Web Site: <http://www.SMTdetergent.com>

#### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Concentration	Description
Hydrogen dioxide	7732-18-5	70%	Water
Sodium Metasilicate	6834-92-0	4%	Alkaline Builder
Proprietary Surfactant	Non hazardous	10%	Surfactant
Proprietary Surfactant	Non hazardous	9%	Surfactant
Proprietary Surfactant	Non hazardous	6%	Surfactant
Lemon Fragrance	5392-40-5	1%	Fragrance

#### SECTION 3: HAZARDOUS IDENTIFICATION

Main Hazard: Slightly irritating to skin and eyes

Routes of entry: Inhalation: Yes      Skin contact: Yes  
Skin absorption: Yes      Ingestion: Yes

Potential health effects: Inhalation in concentrated form may cause headache and irritation of the upper respiratory tract. Can cause irritation, burning and redness to eyes. Brief contact should not produce harmful effects. Prolonged contact may cause irritation or burning. Ingestion can cause nausea, vomiting and diarrhea.

#### SECTION 4: FIRST AID MEASURES

Eyes: Wash eyes with large amounts of water for at least 15 minutes occasionally lifting upper and lower lids. Get medical attention.

Skin: Wash contaminated skin with soap and large amounts of water. Remove clothing and footwear and wash before reuse.

Inhalation: Remove to fresh air. Flush mouth and nasal passages thoroughly with water. Get medical attention. Administer oxygen if necessary.

Ingestion: Do not induce vomiting. Drink milk, follow with diluted vinegar. Seek medical attention.

**SECTION 5: FIRE FIGHTING MEASURES**

Flash point (TCC):	None to boiling
Flammable Limits in Air:	Upper limit = No data, Lower limit: = No data
General Hazard:	None
Fire Fighting:	Fire fighters have eye protection and wear self-contained breathing apparatus
Extinguishing Media:	Carbon Dioxide, chemical foam, water fog
Decomposition Products Under Fire Conditions:	None known
Unusual Fire and Explosion Hazards:	None known

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Material Release or Spill:	Contain the spill. Absorb small spills with sand, dirt or clay. Large spills may be pumped into containers for recovery or disposal. Flush residue with plenty of water. Avoid wash water entering natural waterways or public water supplies. Neutralize with dilute acid.
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**SECTION 7: HANDLING AND STORAGE**

Handling and Storage:	Wear eye protection, launder contaminated clothing before reuse. Store drums in a cool place, bung up and closed tightly.
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**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Personal Protection:	Code "B": Safety glasses and gloves.
Respiratory Protection:	None normally required. Use NIOSH approved dust mask if working with mist.
Ventilation:	Adequate.
Protective Gloves:	Rubber or neoprene.
Eye Protection:	Chemical splash goggles.
Other Protective Clothing or Equipment:	Wear protective clothing to prevent skin contact. Wash hands with soap and water after handling.
Exposure Guidelines:	None established for product as a whole

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Clear pale yellow liquid
Odor:	Mild and pleasant
Boiling Point:	102° Celsius (Approx.)
Vapor Pressure:	<1
Solubility in Water:	Complete
Specific Gravity:	1.08

pH 12.4 (concentrate)

## SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions

Hazardous Polymerization: Will not occur

Incompatible Materials: Strong oxidizing agents

Conditions to avoid: None known

Hazardous Decomposition Products: None known

## SECTION 11: TOXICOLOGICAL INFORMATION

Health Hazards (Acute and Subchronic): May be irritating to skin and eyes.

Health Hazards (Chronic) No subchronic effects expected at industrial use levels when good personal hygiene practices are followed.

Mutagenicity: No data available

## SECTION 12: ECOLOGICAL INFORMATION

Mobility: Will dissolve completely in water

Degradability: This product is readily biodegradable

Bio-accumulation: No data available

Ecotoxicity: None known

RoHS & REACH Compliant

## SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of Material: Waste must be disposed of in accordance with government environmental control regulations. This material is not a U.S. EPA hazardous waste.

## SECTION 14: TRANSPORT INFORMATION

U.S. D.O.T. Shipping Name: Compound, Cleaning Liquid

U.S. D.O.T. Hazardous Class: None

U.N. / N.A. Number: None

U.S. D.O.T. Label: None

## SECTION 15: REGULATORY INFORMATION

Label Information:	X - Irritant
Risk Phases	R36/38 Irritating to eyes & skin, S25 Avoid contact with eyes, S26 In case contact with eyes, rinse immediately with plenty of water and seek medical advice.
Safety Phases:	S2 Keep out of reach of children S39 Wear eye/face protection
EC Annex 1 Classification:	None
Regulations / References:	Refer to the requirements of all relevant local regulations

## SECTION 16: OTHER INFORMATION

NFPA Rating:	H = 1, F = 0, R = 0
Effective Date:	14 April 2014
Sections Revised:	All, new format

This material safety data sheet adheres to ANSI standard ANSI Z400.1-1993

RoHS & REACH Compliant. 440-R SMT Detergent is compliant with the European Rules 91/155/CEE, 2001/58/EC, 2001/118/EC.

This product does not contain any ozone depleting chemicals or VOCs.

440-R SMT Detergent has been Certified Environmentally Safe and User Safe by the California Environmental Protection Agency and Verified by the U.S. EPA as part of the Environmental Technology Verification (ETV) Program.

This product has been Certified as a Clean Air Solvent (CAS) by California's South Coast Air Quality Management District (AQMD)

This product does not contain SARA Section 313 reportable compounds.

All ingredients are listed on the TSCA Inventory.

Does not contain any chemicals which require warning under California Proposition 65 or the Michigan Critical Materials Register.

The data contained is based on information currently available to SMT Detergent Corp. (SDC) and is believed to be factual. SDC does not manufacture the raw materials used in this product and correspondingly relies on information provided to SDC from material safety data sheets on the specific raw materials in the construction of this material safety data sheet. Such information is, to the best of SDC's knowledge and belief, accurate and reliable as of the date of this MSDS. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO THE ACCURACY, RELIABILITY, OR COMPLETENESS OF THIS DOCUMENT. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular application. This information is not intended to be all-inclusive as of the manner and conditions of use, handling and storage. Other factors may involve other or additional safety or performance considerations. This data is not to be taken as a warranty or representation of which SDC assumes legal responsibility.

Additional information is available on the SMT Detergent Web Site: <http://www.SMTdetergent.com>