

# MSDS Document

## Product BOSS® 453 Dielectric Compound

### 1. Chemical Product and Company Identification

**Trade Name of this Product** BOSS® 453 Dielectric Compound

**Synonyms:** 02566CL10, 02544CL07, 02544CL01, 02579CL01

**MSDS ID** BOSS453

**Manufacturer**

Accumetric, LLC  
350 Ring Road  
Elizabethtown, KY 42701

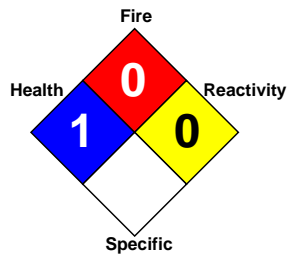
**Phone Number**

(270) 769-3385

**Emergency Phone**

CHEMTREC (800) 424-9300

**Revision Date** 12/17/2009



Health:	1
Fire:	0
Reactivity:	0
Specific	

### 2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Dimethylpolysiloxane	63148-62-9	60% - 80%			
Methyl phenyl polysiloxane	NG	10% - 20%			
Hydrophobic silica	68611-44-9	2% - 10%			
Amorphous fumed silica	112945-52-5	2% - 10%	10 mg/m <sup>3</sup>	6 mg/m <sup>3</sup>	
Oxirane, methyl-, polymer	52624-57-4	0.5% - Max			

### 3. Hazard Identification

**Eye Contact**

May cause eye irritation.

**Skin Contact**

No significant effects expected from a single short-term exposure.

**Inhalation**

No significant effects expected from a single short-term exposure.

**Ingestion**

May cause irritation. Do not induce vomiting.

**4. First Aid Information**

**Eye Contact**

Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation develops.

**Skin Contact**

Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use. Get medical attention if irritation develops.

**Inhalation**

Not known to cause inhalation problems.

**Ingestion**

DO NOT INDUCE VOMITING. Seek immediate medical attention.

**5. Fire Fighting Measures**

<b>Flash Point</b>	>300C
<b>FP Method</b>	Unknown

**Auto-ignition Temperature**

Not determined

**Extinguishing Media**

Use carbon dioxide or dry chemical on small fires. Use foam and/or water spray for large fires.

**Special Fire Fighting Procedures**

Fire fighters should wear full protective clothing including self contained breathing apparatus.

**Unusual Fire or Explosion Hazards**

None known

**6. Accidental Release Measures**

**Steps to be taken in case of spill or release**

Observe all personal protection equipment. Use absorbent material to collect and contain material for disposal.

Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

## 7. Handling and Storage

### Handling

Keep container closed when not in use. Avoid prolonged skin contact. Keep away from eyes, use recommended personal protective equipment.

### Storage

Store below 100°F.

## 8. Exposure Controls and Personal Protection

### Eye Protection

Use proper protection - safety glasses as a minimum.

### Skin Protection

Chemical resistant rubber (e.g. neoprene, butyl rubber, nitrile) gloves and other protective gear as needed to prevent skin contact.

### Ventilation

Good general ventilation should be sufficient.

### Precautionary Measures

Avoid eye and skin contact. Keep container closed when not in use. Do not take internally.

### Note

These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require added precautions.

## 9. Physical and Chemical Properties

Physical State	Paste
Specific Gravity	1.03
Density lbs/Gal.	8.55
Color/Appearance	Translucent
Odor	Slight, sweet
pH	Not applicable
Boiling/Cond. Point	>300C
Melting/Freezing Point	Not applicable
Solubility	Insoluble
Evaporation Rate	Not determined
VOC %	10 g/L
Percent Volatile	< 2
Viscosity	1,200,000 cPs
Vapor Density	> 1

**Vapor Pressure** < 5 mm Hg

**Note**

The above information is not intended for use in preparing product specifications. Contact Accumetric LLC before writing specifications.

## 10. Stability and Reactivity

**Chemical Stability**

Stable

**Hazardous Polymerization**

Will not occur

**Conditions to Avoid**

None known

**Materials to Avoid / Incompatibilities**

Strong acids, bases and strong oxidizers.

## 11. Toxicological Information

**Carcinogenicity**

This product is not known to be a carcinogen.

**Sensitizer**

This product is not known to be a sensitizer.

**Mutagenicity**

This product is not known to be a mutagen.

**Reproductive Toxin**

This product is not known to be a reproductive toxin.

**Teratogenicity**

This product is not known to be a teratogen.

## 12. Ecological Information

**Environmental Fate and Distribution**

Complete information is not yet available.

**Environmental Effects**

Complete information is not yet available.

**Fate and Effects in Waste Water Treatment Plants**

Complete information is not yet available.

### 13. Disposal Considerations

#### Waste Disposal Method

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

### 14. Transportation Information

#### DOT Road Shipment Information

DOT Shipping Name: Unrestricted  
DOT Hazard Class: Non-hazardous, unrestricted  
UN/NA Number: None  
Label Required: No special labeling is required

### 15. Regulatory Information

The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### TSCA Status

All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

#### SARA Title III Section 302 Extremely Hazardous Substances

None

#### SARA Title III Section 304 CERCLA Hazardous Substances

None

#### SARA Title III Section 311/312

No components subject to 40 CFR 370

#### SARA Title III Section 313 Toxic Chemicals

None present or none present in regulated quantities.

#### California Proposition 65

This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm:  
None known

#### Massachusetts

Silica, amorphous fumed (112945-52-5)

**New Jersey**

Silica, amorphous fumed (112945-52-5)

**Pennsylvania**

Silica, amorphous fumed (112945-52-5)

## **16. Other Information**

**Disclaimer**

The data contained herein is based upon information that Accumetric LLC believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements to suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.