



SECTION I - IDENTIFICATION

Trade Name: Real Clear® Defoamer
Name and/or Family or General Description: Silicone emulsion
Nat'l Fire Protection Assoc. Profile: Health=0, Flammability=1, Instability/Reactivity=0

SECTION II – COMPONENTS (Hazardous & Other)

OSHA Hazardous ingredients: None. Not a hazardous material as defined by the OSHA Hazard Communication Standard.

SECTION III – PHYSICAL DATA

State: Liquid
Appearance: White
Odor: N/A
Boiling Point: >35° C
Melting Point: Not determined
Viscosity: 2400cst
Vapor Density: Not determined
Vapor Pressure@25°C: Not determined
Specific Gravity@25°C: 1.0
Volatile Content: Not determined
pH: 3.5
Water Solubility %: Not determined
Storage Conditions: Store tightly closed in cool place.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: >214° F (101.1°C) Closed cup
Ignition Temperature: Not determined
Flammable Limits in air: Not determined
Special Fire Fighting Procedure: Self-contained breathing apparatus & protective clothing should be worn.
Extinguishing Media: Dry chemical, foam or water spray. May use carbon dioxide (CO2) on small fires. Cool fire exposed containers with water spray.
Unusual Fire Explosion Hazards: None
Hazardous Decomposition Products: Thermal breakdown of this product during fire or very high heat conditions may involve the following hazardous decomposition products: *Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide, formaldehyde.*



SECTION V - HEALTH HAZARD DATA

Primary Routes Of Exposure: Inhalation, skin or eye contact.

SIGNS AND SYMPTOMS OF EXPOSURE:

Inhalation: No significant effects expected from short-term exposure.

Eye Contact: Direct contact with eyes may irritate them and cause temporary redness.

Skin Contact: No significant effects expected from short-term exposure

Swallowed: Low ingestion hazard in normal use.

Chronic Effects Of Exposure: None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE REPORTED

SECTION VI - EMERGENCY AND FIRST AID PROCEDURES

If Inhaled: No medical attention should be needed.

In Case Of Eye Contact: Immediately flush eyes with lots of running water for 15 minutes, lifting the upper and lower eyelids occasionally.

In Case Of Skin Contact: No medical attention should be needed.

IF SWALLOWED: Do not induce vomiting. If conscious, give lots of water or milk. Get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person.

NOTES TO PHYSICIAN: NONE.

SECTION VII - REACTIVITY DATA

STABILITY: Stable

POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: None

MATERIALS TO AVOID: Oxidizing material can cause a reaction.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal breakdown of this product during fire or very high heat conditions may involve the following hazardous decomposition products: *Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide, formaldehyde.*

SECTION VIII - SPILL AND LEAK INFORMATION

Containment/Clean up:

Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in this document. For large spills, provide appropriate containment to keep material from spreading. If material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. 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.



SECTION IX - SAFE HANDLING AND STORAGE INFORMATION

Use with adequate ventilation. Avoid eye contact. Use reasonable care.

Store away from oxidizing materials.

SECTION X - EXPOSURE CONTROL AND PERSONAL PROTECTION INFO

Component Exposure Limits: There are no components with workplace exposure limits.

Engineering Controls: Local Ventilation: None should be needed.

General Ventilation: Recommended.

Personal Protective Equipment for Routine Handling

Eyes: Use proper protection - safety glasses as a minimum.

Skin:Washing at mealtime and end of shift is adequate.

Suitable Gloves: No special protection needed.

Inhalation: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

Personal Protective Equipment for Spills

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Inhalation/Suitable Respirator: No respiratory protection should be needed.

Precautionary Measures: Avoid eye contact. Use reasonable care.

Inhalation/Suitable Respirator: No respiratory protection should be needed.

Precautionary Measures: Avoid eye contact. Use reasonable care.

SECTION XI - TOXICITY DATA

Special Hazard Information on Components: No known applicable information.

SECTION XII - ECOLOGICAL INFORMATION

Environmental Fate and Distribution: Complete information not yet available

Environmental Effects: Complete information not yet available.

Fate and Effects in Waste Water Treatment Plants: Complete information not yet available.

Ecotoxicity Classification Criteria

Hazard Parameters (LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	<=1	>1 and <=100	>100
Acute Terrestrial Toxicity	<=100	>100 and <= 2000	>2000

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993.

SECTION XIII – DISPOSAL CONSIDERATIONS

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received,
is it classified as a hazardous waste? No

State or local laws may impose additional regulatory requirements regarding disposal.

SECTION XIV – TRANSPORT INFORMATION

DOT Road Shipment Information (49 CFR 172.101): Not subject to DOT.

Ocean Shipment (IMDG): Not subject to IMDG code.

Air Shipment (IATA): Not subject to IATA regulations.



SECTION XV – REGULATORY INFORMATION

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

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA

Inventory of Chemical Substances.

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances: None.

Section 304 CERCLA Hazardous Substances: None.

Section 312 Hazard Class:

Acute: No

Chronic: No

Fire: No

Pressure: No

Reactive: No

Section 313 Toxic Chemicals: None present or none present in regulated quantities.

Supplemental State Compliance Information

California

Warning: 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

CAS Number	Wt %	Component Name
7664-93-9	<0.1	Sulfuric acid

New Jersey

CAS Number	Wt %	Component Name
7732-18-5	> 60.0	Water
63148-62-9	7.0 - 13.0	Polydimethylsiloxane
9005-71-4	1.0 - 5.0	Polyethylene glycol sorbitan tristearate

Pennsylvania

CAS Number	Wt %	Component Name
7732-18-5	> 60.0	Water
63148-62-9	7.0 - 13.0	Polydimethylsiloxane

SECTION XVI – OTHER INFORMATION

KEEP OUT OF REACH OF CHILDREN

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