

Material Safety Data Sheet

According to 91/155/EEC and OSHA Hazard Communication Standard 29CFR1910.1200

1. Chemical Product and Company Identification

Commercial Product Name: Defoamer B-101

Company: Power Coolant & Chemical, LLC
15619 Frohock Place
Charlotte, NC 28277
Phone: 1-704-759-3435
Fax: 1-704-759-1989

Emergency Telephone Number: 1-800-424-9300

2. Composition Information on Ingredients

	Ingredient	CAS #	% weight	Exposure Limits
1.)	Silicone Compound	63148-62-9	2 – 10	None Established
2.)	Water	7732-18-5	40 – 70	None Established

Generic Chemical Name: Organically Modified Silicone Oil Emulsion
Product Type: Defoamer

3. Hazards Identification

Emergency Overview: White viscous emulsion, may cause eye and skin irritation.

Inhalation: No appreciable vapor pressure, therefore there is minimal hazard from inhalation.

Skin: Slight irritation is possible if product comes into contact with skin.
Abraded skin may become irritated.

Ingestion: Minimal effects of ingestion.

4. First Aid Measures

Inhalation: Remove individual to fresh air.

Skin Contact: Soaked clothing should be changed as soon as possible. Wash skin with soap and water. If irritation develops, consult a physician.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes. If irritation persists, consult a physician.

Ingestion: Do not induce vomiting. Get immediate medical attention.

5. Measures For Fire Fighting

Flash Point (Typical): >212F (100C) (PMCC)
Auto ignition Temperature: Not Determined
Upper Flammable Limit: Not Determined
Lower Flammable Limit: Not Determined
Products of Combustion: Mainly oxides of carbon and nitrogen with small amounts of other unidentified organic compounds.
Extinguishing Media: Water
Firefighting Procedures: The wearing of self-contained breathing apparatus is recommended.
Unusual Fire and Explosion Hazards: Large surface areas exposed to air/oxygen (e.g. oil soaked rags, paper, or absorbed spillages) may be easily ignited and should be cleared up at once. Toxic fumes, gasses, or vapors may evolve on combustion.
Explosion Data: Material does not have explosive properties.
NFPA Rating: Fire 0 Health 0 Reactivity 0

6. Accidental Release Measures

Do not allow undiluted product access to sewer system or natural waterways.
Contain spilled material.
Collect spilled material for disposal.

7. Handling and Storage

Storage Temperature (°F) Store below 120F
Storage Precautions No special requirements
Suitable Materials/Coatings Most common metals
Unsuitable Materials None
Storage Procedures Keep containers closed when not in use. Wash thoroughly after handling. Empty containers contain product residue which may exhibit hazards of product. No special storage procedures required.

8. Exposure Controls and Personal Protection

Exposure Limits (O.E.L.) None Established.
Ventilation Procedures Use with adequate ventilation. Avoid breathing any mist or spray formed during machining operations.
Hand Protection Use nitrile or neoprene gloves.
Eye Protection Use chemical safety glasses.
Respiratory Protection Under normal conditions of use, respirator is not normally required.
Clothing Industrial overall would be suitable, but protection of forearms is recommended.

9. Typical Physical and Chemical Properties

Appearance White emulsion
Odor Mild
Specific Gravity @ 15.5C 1.00

pH Product 7.0
Freezing/Melting Point <0C
Volatile Organic Content 70% by weight (water)

10. Stability and Reactivity

Stability: Material is normally stable at moderately elevated temperatures and pressures.
Incompatibility: Strong oxidizing agents.
Hazardous Polymerization: Will not occur.
Hazardous Decomposition Products: Oxides of carbon and silicone may be formed.

11. Toxicological Information

Eyes: Can irritate eyes.
Skin: Can irritate skin. Prolonged or repeated contact may cause dermatitis.
Respiratory: If material is misted or if exposure to vapors generated through heating occurs, irritation of mucous membranes and the upper respiratory tract similar to that observed with mineral oil may occur. Under normal standards of industrial hygiene irritation should not occur.
Dermal Toxicity
LD₅₀ Rabbits: No data available
Oral Toxicity
LD₅₀ Rats: No data available
Chronic Toxicity: No data available to indicate product or components present at greater than 1.0% are chronic health hazards.
Carcinogenicity: No data available to indicate product or components present at greater than 0.1% present a carcinogenic hazard.
Mutagenicity: No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.
Teratogenicity: No data available to indicate product or components present at greater than 0.1% may cause birth defects.
Occupational Exposure Limits: Under conditions which may generate mists observe the OSHA PEL of 5mg³m and ACG1H STEL of 10mg³m.
Other: No other health hazards known.

12. Ecological Information

Do not allow access to natural waterways.

13. Disposal Considerations

Product: As chemical waste in accordance with federal, state, or local regulations.
Packaging, Empty: Uncleaned containers should be recycled or disposed of.

Receiver of containers should be informed about the possible hazards as described in this Material Safety Data Sheet.

14. Transport Information

D.O.T. Regulatory Information: This product is not regulated by D.O.T.

15. Regulatory information

SARA Title III section 311 and 312 None.

SARA Title III section 313 The following chemicals are present at or above the de minimus concentrations in the product.

None.

CERCLA: No reportable quantity.

All ingredients of this product are listed on the TSCA inventory.

16. FURTHER DATA:

None.

All data in this Safety Data Sheet are based on our present state of knowledge and experience. They are to characterize our product with regards to any possible safety requirements. We do, however, pass them on to you without any warranty or property assurances.