



Material Safety Data Sheet

M-309 Red Dye Dispersion

1. Product and Company Information

Product Name: Red Dye Dispersion
Product Code: M-309
Manufacturer: Custom Milling & Consulting, Inc.
1246 Maidencreek Road
Fleetwood, PA 19522
Phone: 610-926-0984
Fax: 610-926-0989
Emergency Phone: 610-926-0984

Health	1
Fire Hazard	0
Reactivity	0
Personal Protection	--

2. Composition / Information on Ingredients

Name	CAS #	% by Weight
Red Iron Oxide	001332-37-2	40 to 55
Water	007732-18-5	35 to 50
Surfactant	Proprietary	1 to 10

3. Hazards Identification

Physical State and Appearance Red Liquid Dispersion

Potential Health Effects

Eyes Contact may cause irritation.

Skin Brief contact may cause slight skin irritation with local redness.

Skin Absorption Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Ingestion Irritating to mouth, throat and stomach.

Inhalation At room temperature, exposure to vapor is minimal due to low volatility; vapor from heated material may cause respiratory irritation. This material contains mineral and/or inorganic fillers. There is essentially no potential for inhalation exposure to these fillers incidental to industrial handling due to the physical state.

Irritancy Very mild (if any) eye/skin irritant.

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4. First Aid Measures

Eyes	Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult physician, preferably an ophthalmologist.
Skin	Wash with soap and water. Get medical attention if irritation develops or persists.
Ingestion	Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.
Inhalation	Move person to fresh air; if effects occur, consult a physician.
Antidotes	No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire Fighting Measures

Flash Point (and method used)	NA = Not Applicable
Extinguishing Media	Water fog or fine spray. Carbon dioxide fire extinguishers. Dry chemical fire extinguishers.
Special Fire Fighting Procedures	As when fighting any fire, fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
Unusual Fire and Explosion Hazards	None expected.
Hazardous thermal (de)composition products	Decomposition products can include and are not limited to: Carbon monoxide. Carbon dioxide.

6. Accidental Release Measures

Small Spill and Leak	Contain spilled material if possible. Absorb with materials such as: cat litter, sand, and sawdust.
Environmental Precautions	Water Spill – None expected. Land Spill – None expected. Air Spill – None expected.



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7. Handling and Storage

General Procedures	None.
Handling	Store in adequate storage area at ambient temperature.
Storage	Keep container closed to prevent drying out.
Storage Temperature	Ambient.
Loading Temperature	Ambient.

8. Exposure Controls / Personal Protection

Eye and Face	Used safety glasses.
Skin	Wash thoroughly after handling.
Respiratory	This material does not have established exposure limits. Wear a positive pressure air-supplied respirator in situations where there may be potential for airborne exposure.
Protective Clothing	Gloves, coveralls, apron, boots as necessary to prevent skin contact as needed.

9. Physical and Chemical Properties

Physical State	Liquid
Color	Red
Odor	Mild
Appearance	Brown Liquid
pH	7.5 to 9.5 pH
Percent Volatile	No test data available.
Flashpoint and Method	NA = Not Applicable
Solubility in Water	Dispersible



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10. Stability and Reactivity

Stability	This product is stable.
Hazardous Polymerization	No.
Stability	Stable.
Polymerization	None expected.

11. Toxicological Information

Eye Effects	May cause eye irritation.
Skin Effects	May cause skin irritation.

12. Ecological Information

Environmental Data	Not established.
Ecotoxicological Information:	Carbon Black – Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50 > 100 mg/L in the most sensitive species tested.)
	Fish Acute & Prolonged Toxicity LC50, golden orfe (<i>Leuciscus idus</i>): 1,000 mg/l
	Aquatic Invertebrate Acute Toxicity EC50, water flea <i>Daphnia magna</i> , immobilization: . 5,600 mg/l

13. Disposal Considerations

This material and its containers must be disposed of in a safe and environmentally responsible way. Water must be disposed of in accordance with federal, state and local environmental control regulations. Do not allow product to reach sewage system/surface or ground water..

14. Transportation Information

DOT Classification	Not Regulated by DOT
Other Requirements	N/A

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15. Regulatory Information

U.S. Federal Regulations

Sara Title III (Superfund Amendments and Reauthorization Act) – to the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Cercla Regulator (Comprehensive Response, Compensation, and Liability Act) - to the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

TSCA (Toxic Substance Control Act) – All components of this product of this product are either on the TSCA Inventory, are exempt from TSCA Inventory Requirements under 40 CFR 720.30, or comply with the PMN Polymer Exemption 40 CFR 723.250.

16. Other Information

Other Special Considerations Not available.

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