



Safety Data Sheet

DAWN SCIENTIFIC

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Emergency Telephone Number: CHEMTREC 1-800-424-9300

1. PRODUCT: Syn: C.I. Acid Red 2; 2-(4-Dimethylaminophenylazo) benzoic acid; C.I. 13020; p-(Dimethylamino)- azobenzene-o-carboxylic acid; Methyl Red. **CAS No.:** 493-52-7 **Weight:** 269.30 **Formula:** C₁₅H₁₅N₃O₂ **EC No.:** 207-776-1

2. HAZARDS: GHS Class: Not a hazardous substance.

HMIS Class: Health hazard 0, Flammability 0, Physical hazards 0

NFPA Rating: Health hazard 0, Fire 0, Reactivity hazard 0

3. COMPOSITION / INFO ON INGREDIENTS:

Chemical	CAS No.	Percent	Hazardous
Methyl Red	493-52-7	98%	No

4. FIRST AID: Eyes: rinse with water as precaution. **Skin:** Rinse with soap & water **Ingestion:** Do not induce vomiting w/o medical advice. Rinse with water. **Inhalation:** Move to fresh air. **Physician:** Treat symptomatically & supportively.

5. FIRE FIGHTING: Info: Wear a self-contained breathing apparatus if necessary **Special Hazards:** Carbon & nitrogen oxides, combustible. **Extinguishing:** use water spray, dry chemical, carbon dioxide or alcohol-resistant foam.

6. ACCIDENTAL RELEASE: Info: Use proper PPE as indicated in Section 8. **Spills:** Clean up spills immediately, observing precautions in the PPE Section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

7. HANDLING & STORAGE: Handling: Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage: Store in a cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Chemical	ACGIH	NIOSH	OSHA –Final/Vacated PELs
Methyl Red	None listed	None listed	None listed.

PPE: Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. **Skin:** Wear appropriate protective gloves to prevent skin exposure. 0.11mm thick nitrile **Clothing:** Wear appropriate protective clothing to prevent skin exposure. **Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9. PHYSICAL & CHEM: Appearance: Dark red to purple to maroon powder **Melting Pt:** 179-182 °C **Partition coefficient:n-octanol/water:** low POW:3.9 using QSAR. **Solubility:** slightly soluble **Density:** 0.989g/cm³

10. STABILITY & REACTIVITY: Stability: Stable under normal temp/pressures. Materials containing similar functional groups can decompose at elevated temps. **Avoid:** Dust generation, excess heat. **Incompatibilities:** Strong oxidizing agents. **Haz Decomp:** see section 5

11. TOXICOLOGICAL INFO: RTECS#: DG8960000. **LD50/LC50:** N/A.

Carcinogenicity: Not listed by ACGIH, NIOSH, NTP, or OSHA. IARC Group 3 – no carcinogenicity to humans

Mutagenicity: Histidine reversion (ames) unscheduled DNA analysis

12. ECOLOGICAL INFO: LC50: Mosquito fish – 7mg/l – 96h Toxic to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed. **RCRA U-Series:** None listed.

14. TRANSPORT REGULATIONS: Not regulated.

15. REGULATORY INFO: SARA 311/312: None

Section 302 (RQ) & Section 302 (TPQ) None of the chemicals in this material/product have a RQ or TPQ.

Section 313 No chemicals are reportable under Section 313.

STATE CAS# 493-52-7 is not present on state lists from CA, MN, MA, FL.

PA & NJ Right to Know: 2-(4-Dimethylaminophenylazo)benzoic acid CAS#493-52-7

California Prop.65: None of the chemicals are known to cause cancer, birth defects, or any other reproductive harm.

EUROPEAN/INTERNATIONAL REGULATIONS European Labeling in Accordance with EC Directives

Hazard Symbols: Not available. **WGK (Water Danger/Protection)** CAS# 493-52-7: 2

Canada - DSL/NDL CAS# 493-52-7 is listed on Canada's DSL List.

Canada - WHMIS This product has a WHMIS classification of NOT controlled.

16. DISCLAIMER INFO: DAWN SCIENTIFIC provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. **DAWN SCIENTIFIC** makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or to the product to which the information refers. Accordingly, **DAWN SCIENTIFIC** will not be responsible for damages resulting from the use of or reliance upon this information.