



Safety Data Sheet

DAWN SCIENTIFIC

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

1. PRODUCT ID: Syn: 4-[4-(Dimethylamino)phenylazo]benzenesulfonic acid sodium salt, Acid Orange 52, Helianthin, Orange III **CAS No.:** 547-58-0 **E-C No.:**208-925-3 **Weight:** 327.33g/mol **Formula:** C₁₄H₁₄N₃NaO₃S

2. HAZARDS ID: GHS Classification: Acute toxicity, Oral (Category 2)

Pictogram:



Signal Word: DANGER

Hazard Statement(s): H301: Toxic if swallowed.

Precautionary Statement(s): P264: Wash skin thoroughly after handling.

P270: Do not drink, eat, smoke, when using this product. P405: Store locked up. P330: Rinse mouth.

P301 + P310: If Swallowed: Immediately Call Poison Center or doctor/physician

P321: Specific treatment (see supplemental first aid instructions).

P501: Dispose of contents/container to an approved waste disposal plant.

HMIS Classification: Health hazard 2, Flammability 0, Physical hazards 0

NFPA Rating: Health hazard 2, Fire 0, Reactivity hazard 0

3. COMPOSITION / INFO ON INGREDIENTS:

Chemical Name	CAS No.	Percent
Sodium 4-(4-dimethylaminophenylazo)benzenesulphonate	547-58-0	100%

4. FIRST AID: Eyes: rinse with water **Skin:** Rinse with soap & water **Ingestion:** Do not induce vomiting without medical advice. Rinse with water. **Inhalation:** Move to fresh air. **Physician:** Treat symptomatically & supportively.

5. FIRE FIGHTING: Info: wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH & full PPE. Irritating & highly toxic gases may be generated by thermal decomp/combustion. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

Hazards: Carbon, nitrogen, sulphur & sodium oxides. **Extinguishing:** Use water spray, dry chemical, CO₂, 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 or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation

7. HANDLING & STORAGE: **Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with skin and eyes. Keep container tightly closed. Do not ingest or inhale. **Storage:** Store in a cool, dry, well-ventilated area away from incompatibles. Keep containers tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION: **Controls:** Use adequate ventilation to keep airborne concentrations low. **ACGIH/NIOSH:** None listed **OSHA - Final / Vacated PELs:** 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: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirators use.

9. PHYSICAL & CHEM: **Appearance:** Orange crystalline powder **pH:** 6.5 at 5g/l at 20°C **Melting Pt.:** >300°C

10. STABILITY & REACTIVITY: **Stability:** Stable under normal temp/pressures. **Avoid:** Incompatibles, excess heat. **Incompatibilities:** Strong oxidizing agents. **Haz Decomp:** see section 5

11. TOXICOLOGICAL INFO: **RTECS#:** DB6327000 **LD50/LC50:** Oral, rat: LD50 = 60 mg/kg; **Carcinogenicity:** Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. **Mutagenicity:** Histidine reversion, morphological transformation, unscheduled DNA transformation.

12. ECOLOGICAL INFO: No data available.

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:

D.O.T.: UN 3143, Dyes, solid, toxic, n.o.s. (methyl orange), 6.1, III, ERG 151

IMDG: UN 3143, DYE, SOLID, TOXIC, N.O.S. (methyl orange), 6.1, III, ERG 151

IATA: UN 3143, Dye, solid, toxic, n.o.s. (methyl orange), 6.1, III

15. REGULATORY INFO: SARA 311/312: Acute Health Hazard.

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

Section 313 No chemicals are reportable under Section 313.

STATE CAS# 547-58-0 is not present on state lists from CA, MN, MA, FL.

PA & NJ Right to Know: Sodium 4-(4-dimethylaminophenylazo)benzenesulphonate
CAS#547-58-0

California Prop.65 components: 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: T **WGK (Water Danger/Protection)** CAS# 547-58-0: 2

Canada - DSL/NDL CAS# 547-58-0 is listed on Canada's DSL List. **Canada - WHMIS:** Not available.

Canadian Ingredient Disclosure List CAS# 547-58-0 is listed on the Canadian Ingredient Disclosure List.

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