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## MATERIAL SAFETY DATA SHEET (MSDS)

### CROCEIN ORANGE G (C. I. NO. 15970)

#### 1 - Chemical Product

Product Name:Crocein Orange G Material Safety Data Sheet

Synonym:2-Naphthalenesulfonic acid, 6-hydroxy-5-(phenylazo)-, monosodium salt; Acid Orange 12; Brilliant Orange; C.I. 15970; C.I. Acid Orange 12, monosodium salt; Crocein Orange G; Food Orange No.1

Cas no: 1934-20-9

Product Coad: C0079100500

Molecular Formula: C<sub>16</sub>H<sub>11</sub>N<sub>2</sub>O<sub>4</sub>Na

Molecular Weight: 350.32

#### 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
1934-20-9	1-Phenylazo-2-naphthol-6-sulfonic acid	100	217-697-4

#### 3 - HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

Not available.

##### Potential Health Effects

Eye:May cause eye irritation. The toxicological properties of this material have not been fully investigated.

Skin:May cause skin irritation. May be harmful if absorbed through the skin. No data found on whether or not this chemical would be likely to cause an allergic skin reaction.

Ingestion:May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation:May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. May be harmful if inhaled.

Chronic:Not available.

#### 4 - FIRST AID MEASURES

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

Skin:In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists.

Wash clothing before reuse.

Ingestion:If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation:If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

#### 5 - FIRE FIGHTING MEASURES

##### General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

Extinguishing Media:Use extinguishing media most appropriate for the surrounding fire.

#### 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions.Provide ventilation.

#### 7 - HANDLING and STORAGE

Handling:Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

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

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**MATERIAL SAFETY DATA SHEET (MSDS)****CROCEIN ORANGE G (C. I. NO. 15970)****8 - EXPOSURE CONTROLS, PERSONAL PROTECTION****Engineering Controls:**

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.

Exposure Limits CAS# 1934-20-9: Personal Protective Equipment 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.

**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. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**9 - PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Powder

Color: red-orange

Odor: Not available.

pH: Not available.

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: Not available.

Autoignition Temperature: Not available.

Flash Point: Not applicable.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature:

Solubility in water:

Specific Gravity/Density:

Molecular Formula: C<sub>16</sub>H<sub>11</sub>N<sub>2</sub>O<sub>4</sub>Na

Molecular Weight: 350.32

**10 - STABILITY AND REACTIVITY****Chemical Stability:**

Stable under normal temperatures and pressures.

**Conditions to Avoid:**

Dust generation, excess heat.

**Incompatibilities with Other Materials:**

Strong oxidizing agents.

**Hazardous Decomposition Products:**

Nitrogen oxides, carbon monoxide, oxides of sulfur, carbon dioxide.

Hazardous Polymerization: Has not been reported

**11 - TOXICOLOGICAL INFORMATION****RTECS#:**

CAS# 1934-20-9: QK2430000 LD50/LC50:

Not available.

**Carcinogenicity:**

1-Phenylazo-2-naphthol-6-sulfonic acid sodium salt - Not listed by ACGIH, IARC, or NTP.

**Other:**

See actual entry in RTECS for complete information.

**12 - ECOLOGICAL INFORMATION****13 - DISPOSAL CONSIDERATIONS**

Dispose of in a manner consistent with federal, state, and local regulations.

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**MATERIAL SAFETY DATA SHEET (MSDS)****CROCEIN ORANGE G (C. I. NO. 15970)****14 - TRANSPORT INFORMATION**

IATA  
Not regulated as a hazardous material.  
IMO  
Not regulated as a hazardous material.  
RID/ADR  
Not regulated as a hazardous material.

**15 - REGULATORY INFORMATION**

European/International Regulations  
European Labeling in Accordance with EC Directives  
Hazard Symbols: Not available.  
Risk Phrases:  
Safety Phrases:  
S 24/25 Avoid contact with skin and eyes.  
WGK (Water Danger/Protection)  
CAS# 1934-20-9: No information available.  
Canada  
CAS# 1934-20-9 is listed on Canada's NDSL List.  
CAS# 1934-20-9 is not listed on Canada's Ingredient Disclosure List.  
US FEDERAL  
TSCA  
CAS# 1934-20-9 is listed on the TSCA inventory.

**16. Other Information**

**Product Use:** Laboratory Reagent.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** 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.

**End of document**