

Material Safety Data Sheet

Version 4.2

Revision Date 11/22/2012

Print Date 04/23/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Methyl Orange

Product Number : 114510
Brand : Sigma-Aldrich

Supplier : Sigma-Aldrich
3050 Spruce Street
SAINT LOUIS MO 63103
USA

Telephone : +1 800-325-5832
Fax : +1 800-325-5052
Emergency Phone # (For both supplier and manufacturer) : (314) 776-6555

Preparation Information : Sigma-Aldrich Corporation
Product Safety - Americas Region
1-800-521-8956

2. HAZARDS IDENTIFICATION**Emergency Overview****OSHA Hazards**

Toxic by ingestion

GHS Classification

Acute toxicity, Oral (Category 3)

GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H301

Toxic if swallowed.

Precautionary statement(s)

P301 + P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

HMIS Classification**Health hazard:** 2**Flammability:** 0**Physical hazards:** 0**NFPA Rating****Health hazard:** 2**Fire:** 0**Reactivity Hazard:** 0**Potential Health Effects****Inhalation**

May be harmful if inhaled. May cause respiratory tract irritation.

Skin

May be harmful if absorbed through skin. May cause skin irritation.

Eyes

May cause eye irritation.

Ingestion

Toxic if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 4-[4-(Dimethylamino)phenylazo]benzenesulfonic acid sodium salt
Acid Orange 52
Helianthin
Orange III

Formula : $C_{14}H_{14}N_3NaO_3S$

Molecular Weight : 327.33 g/mol

Component	Concentration
Sodium 4-(4-dimethylaminophenylazo)benzenesulphonate	
CAS-No.	547-58-0
EC-No.	208-925-3
	-

4. FIRST AID MEASURES

General advice

Keep in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators

Evaporation rate no data available

Marine pollutant: No
Poison Inhalation Hazard: No

IMDG

UN number: 3143 Class: 6.1 Packing group: III EMS-No: F-A, S-A
Proper shipping name: DYE, SOLID, TOXIC, N.O.S. (Sodium 4-(4-dimethylaminophenylazo)benzenesulphonate)
Marine pollutant: No

IATA

UN number: 3143 Class: 6.1 Packing group: III
Proper shipping name: Dye, solid, toxic, n.o.s. (Sodium 4-(4-dimethylaminophenylazo)benzenesulphonate)

15. REGULATORY INFORMATION

OSHA Hazards

Toxic by ingestion

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.