



## SAFETY DATA SHEET

DATE: 23<sup>rd</sup> July 2024

### 1. Identification

**Product Name:** 8-Methoxypsoralen (Methoxsalen, 8-MOP)

**CAS Number:** 298-81-7

**Recommended use/Use advised against:** No information available

#### **Details of the Australian Supplier:**

Astral Scientific Pty Ltd  
29 Mangrove Lane  
Taren Point NSW 2229

**Company Phone Number:** 02 9540 2055

**Email Address:** [support@astralscientific.com.au](mailto:support@astralscientific.com.au)

**Emergency Telephone Number:** 13 11 26

### 2. Hazard(s) Identification

#### **Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### **Label Elements**

**Signal Word:** Danger

**Hazard Statements:** Harmful if swallowed. Causes severe skin burns and eye damage. May cause genetic defects. May cause cancer.



**Precautionary Statements:** Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Response: Immediately call a POISON CENTER or doctor/physician Inhalation. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Skin: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing

before reuse. Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Ingestion. Rinse mouth. Do NOT induce vomiting. Storage: Store locked up. Disposal: Dispose of contents/container to an approved waste disposal plant.

### **3.Composition / Information on ingredients**

Component	CAS #	Purity / Weight %
8-Methoxypsoralen	298-81-7	99

### **4.First-aid measures**

<b>General Advice</b>	If symptoms persist, call a physician.
<b>Eye Contact</b>	Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Immediate medical attention is required.
<b>Inhalation</b>	Remove from exposure, lie down. Remove to fresh air. If not breathing, give artificial respiration. Immediate medical attention is required.
<b>Ingestion</b>	Call a physician immediately. Clean mouth with water.

**Most important symptoms/effects** Causes burns by all exposure routes. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation

**Notes to physician** Treat symptomatically

### **5.Fire-fighting measures**

<b>Suitable extinguishing media</b>	Water spray. Carbon dioxide (CO 2). Dry chemical. Chemical foam.
<b>Unsuitable extinguishing media</b>	No information available
<b>Flash Point</b>	No information available
<b>Method</b>	No information available
<b>Autoignition temperature</b>	No information available
<b><u>Explosion limits</u></b>	
<b>Upper</b>	No information available
<b>Lower</b>	No information available

**Sensitivity to mechanical impact** No information available

**Sensitivity to static discharge** No information available

**Specific hazards arising from the chemical**

Keep product and empty container away from heat and sources of ignition.

**Hazardous combustion products**

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6.Accidental release measure**

**Personal precautions** Ensure adequate ventilation. Use personal protective equipment as required.

**Environmental precautions** Should not be released into the environment. See section 12 for additional Ecological Information.

**Methods for containment/clean-up** Sweep up and shovel into suitable containers for disposal.

**7.Handling and storage**

**Handling** Do not breathe dust. Do not get in eyes, on skin, or on clothing. Handle product only in closed system or provide appropriate exhaust ventilation. Wash thoroughly after handling.

**Storage** Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Protect from direct sunlight. Corrosives area. Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible Materials. Strong oxidizing agents.

**8.Exposure controls / personal protection**

**Personal protective equipment**

**Eye/Face protection** 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 and body protection** Wear appropriate protective gloves and clothing to prevent skin exposure.

**Respiratory protection** Use a approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

### **9.Physical and chemical properties**

<b>Physical state</b>	Solid
<b>Appearance</b>	Light cream
<b>Odor</b>	Odorless
<b>Odor threshold</b>	No information available
<b>pH</b>	No information available
<b>Melting point/range</b>	143 - 148 °C / 289.4 - 298.4 °F
<b>Boiling point/range</b>	No information available
<b>Flash point</b>	No information available
<b>Evaporation rate</b>	Not applicable
<b>Flammability (solid, gas)</b>	No information available
<b>Flammability or explosive elements</b>	
<b>Upper</b>	No information available
<b>Lower</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	Not applicable
<b>Specific gravity</b>	No information available
<b>Solubility</b>	No information available
<b>Partition coefficient; n-octanol/water</b>	No data available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Viscosity</b>	Not applicable

### **10.Stability and reactivity**

<b>Reactive hazard</b>	None known, based on information available
<b>Stability</b>	Light sensitive.
<b>Conditions to avoid</b>	Exposure to light. Incompatible products.

**Incompatible materials** Strong oxidizing agents

**Hazardous decomposition products** Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>),

**Hazardous polymerization** No information available.

**Hazardous reactions** None under normal processing

## 11. Toxicological information

### Acute Toxicity

#### Product information / Component information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
8-Methoxypsoralen	LD50 = 420 mg/kg ( Rat )	Not listed	Not listed

**Toxicologically synergistic products** No information available

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Irritation** No information available

**Sensitization** No information available

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
8-Methoxypsoralen	298-81-7	Group 1	Known	Not listed	X	Not listed

**Mutagenic effects** No information available

**Reproductive effects** No information available

**Developmental effects** No information available

**Teratogenicity** No information available

**STOT – single exposure** None known

**STOT – repeated exposure** None known

**Aspiration hazard** No information available

**Symptoms/effects, both acute and delayed** Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation

**Endocrine disruptor information** No information available

**Other adverse effects** The toxicological properties have not been fully investigated.

## **12. Ecological information**

### **Ecotoxicity**

Do not empty into drains

**Persistence and degradability** Soluble in water Persistence is unlikely based on information available.

**Bioaccumulation/accumulation** No information available

### **Mobility**

Will likely be mobile in the environment due to its water solubility.

## **13. Disposal considerations**

**Waste disposal methods** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional and national hazardous waste regulations to ensure complete and accurate classification.

## **14. Transport information**

**DOT** UN3261, CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S, Packing Group II

**TDG** UN3261, CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S, Packing Group II

**IATA** UN3261, CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S, Packing Group II

**IMDG/IMO** UN3261, CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S, Packing Group II

## **15. Regulatory information**

### **International Inventories**

**TSCA** Not listed

Note \*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

**DSL/NDSL** Complies

**EINECS/ELINCS** Complies

**ENCS** This product complies with ENCS:

**IECSC** This product does not comply with china:

**KECL** Does not Comply

**PICCS** Does not Comply

**AICS** All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated under applicable state right-to-know regulations

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**Revision date** 23<sup>rd</sup> July 2024

**Revision Note** No information available.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific

material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**