

methoxsalen 298-81-7 MSDS

Section 1 - Chemical Product

MSDS Name:8-Methoxypsoralen 99% Material Safety Data Sheet

Synonym:Methoxsalen; 8-MOP; 5-Benzofuranacrylic acid, 6-hydroxy-7-methoxy-, delta-lactone; 6-Hydroxy-7-methoxy-5-benzofuranacrylic acid delta-lactone; 7H-Furo(3,2-g)(1)benzopyran-7-one, 9-methoxy-; 8-Methoxy-(furano-3'.2':6.7-coumarin); 8-Methoxy-

Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
298-81-7	8-Methoxypsoralen	99	206-066-9

Hazard Symbols: XN C

Risk Phrases: 22 34 40

Section 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Harmful if swallowed. Causes burns. Limited evidence of a carcinogenic effect.Light sensitive.Corrosive.Harmful.

Potential Health Effects

Eye:

Causes eye burns. May cause chemical conjunctivitis and corneal damage.

Skin:

Causes skin burns. Contact with the skin may cause photosensitivity.

May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color. May cause erythema (redness) and blistering.

Ingestion:

May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns. May cause perforation of the digestive tract. May be harmful if swallowed. May cause systemic effects. May cause nausea, insomnia, nervousness, and depression. May cause liver damage in sufficient quantities.

Inhalation:

Causes chemical burns to the respiratory tract. Aspiration may lead to pulmonary edema. May cause systemic effects.

Chronic:

Effects may be delayed.

Section 4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately. Do NOT allow victim to rub eyes or keep eyes closed.

Extensive irrigation with water is required (at least 30 minutes).

Skin:

Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated shoes.

Ingestion:

Never give anything by mouth to an unconscious person. Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation:

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to Physician:

Section 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.

Extinguishing Media:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Section 6 - ACCIDENTAL RELEASE MEASURES

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

Spills/Leaks:

Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions.

Provide ventilation.

Section 7 - HANDLING and STORAGE

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Store protected from light.

Discard contaminated shoes.

Storage:

Corrosives area. Keep containers tightly closed. Store protected from light. Store in a cool, dry area away from incompatible substances.

Section 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# 298-81-7: 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:

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 respirator use.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Needles

Color: white

Odor: None reported.

pH: 5.5

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 148.00 - 150.00 deg C

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature: Not available.

Solubility in water: practically insoluble

Specific Gravity/Density: Not available.

Molecular Formula: C₁₂H₈O₄

Molecular Weight: 216.19

Section 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures. May decompose when exposed to light.

Conditions to Avoid:

Incompatible materials, light, strong oxidants.

Incompatibilities with Other Materials:

Strong oxidizing agents, direct light.

Hazardous Decomposition Products:

Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization: Has not been reported.

Section 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 298-81-7: LV1400000 LD50/LC50:

CAS# 298-81-7: Oral, mouse: LD50 = 423 mg/kg; Oral, rat: LD50 = 791 mg/kg.

Carcinogenicity:

8-Methoxypsoralen - California: carcinogen, initial date 2/27/87 (with ultraviolet A thera NTP: Known carcinogen IARC: Group 1 carcinogen Other:

See actual entry in RTECS for complete information.

Section 12 - ECOLOGICAL INFORMATION

Section 13 - DISPOSAL CONSIDERATIONS

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

Section 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.

Section 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN C

Risk Phrases:

R 22 Harmful if swallowed.

R 34 Causes burns.

R 40 Limited evidence of a carcinogenic effect.

Safety Phrases:

S 25 Avoid contact with eyes.

S 28A After contact with skin, wash immediately with plenty of water.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 298-81-7: No information available.

Canada

CAS# 298-81-7 is listed on Canada's DSL List.

CAS# 298-81-7 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 298-81-7 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

N/A
