

**Safety Data Sheet**  
acc. to OSHA HCS

Date of issue: 01/12/2026

Version Number 1.2

Reviewed on 01/12/2026

## 1 Identification

### Product identifier

Trade name: ***Chryso®Optec EC-912***

### Other means of identification

SDS ID Number: SD1422

### Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

Chryso, Inc.  
12770 Merit Drive, Suite 750  
Dallas, TX 75251 USA

GCP Canada, Inc.  
294 Clements Road W.  
Ajax, Ontario L1S 3C6 Canada

#### Information department:

Customer Service  
+1-877-423-6491  
Safety Data Sheets  
Email address: [sds.chryso@saint-gobain.com](mailto:sds.chryso@saint-gobain.com)

### Emergency telephone number:

Transport Emergency: Chemtrec: +1-800-424-9300 (24 hours)

## 2 Hazard(s) identification

### Classification of the substance or mixture

Skin irritation 2            H315 Causes skin irritation.  
Eye irritation 2A            H319 Causes serious eye irritation.  
Reproductive toxicity 2    H361 Suspected of damaging fertility or the unborn child.

### Label elements:

**GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

### Hazard pictograms



GHS07    GHS08

**Signal word** Warning

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## Hazard-determining components of labeling:

2-methylpentane-2,4-diol

### Hazard statements

Causes skin irritation.

Causes serious eye irritation.

Suspected of damaging fertility or the unborn child.

### Precautionary statements

Do not handle until all safety precautions have been read and understood.

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

If on skin: Wash with plenty of water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If exposed or concerned: Get medical advice/attention.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Hazard description:

**Inhalation:** Causes respiratory tract irritation.**Eye Contact:** Causes eye irritation.**Skin Contact:** Causes skin irritation.

### Hazard Classification:

**NFPA ratings (scale 0 - 4)**


Health = 2

Fire = 1

Reactivity = 0

### HMIS-ratings (scale 0 - 4)



HEALTH 2 Health = 2

FIRE 1 Flammability = 1

REACTIVITY 0 Reactivity = 0

### Classification according to (d)(1)(ii) of § 1910.1200

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

### Hazards not otherwise classified

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

## 3 Composition/information on ingredients

### Chemical characterization: Mixture

**Description:** Mixture of the hazardous substance(s) listed below with additional nonhazardous ingredients.

#### Hazardous components:

107-41-5	2-methylpentane-2,4-diol	45-70%
2943-75-1	Triethoxyoctylsilane	15-40%

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127087-87-0 | Nonylphenol polyethylene glycol ether

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1-5%

## 4 First-aid measures

### Description of first aid measures

**General information:** Get medical advice/attention if you feel unwell.

#### After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

#### After skin contact:

Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

#### After eye contact:

Rinse cautiously with water for several minutes.

Seek immediate medical advice.

#### After swallowing:

Rinse mouth.

Do NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed** Irritating to eyes.

### Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## 5 Fire-fighting measures

### Extinguishing media

**Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.

### Special hazards arising from the substance or mixture

Combustion products can include toxic gases such as carbon monoxide and smoke.

### Advice for firefighters

**Protective equipment:** Wear personal protective equipment.

**Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.

## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

### Methods and material for containment and cleaning up:

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container.

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## Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

### Precautions for safe handling

Avoid contact with eyes, skin and clothing.

Do not take internally.

Practice good personal hygiene to avoid ingestion.

Use only with adequate ventilation.

Wash clothing before reuse.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

**Information about protection against explosions and fires:** No special measures required.

### Conditions for safe storage, including any incompatibilities

#### Storage:

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Keep respirator available.

**Further information about storage conditions:** Keep receptacle tightly sealed.

**Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

### Control parameters

#### Components with limit values that require monitoring at the workplace:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

#### 107-41-5 2-methylpentane-2,4-diol

REL	Ceiling limit value: 125 mg/m <sup>3</sup> , 25 ppm
TLV	Short-term value: 10** mg/m <sup>3</sup> , 50* ppm
	Long-term value: 25* ppm
	*vapor **inh. fraction, aerosol only

**Additional information:** The lists that were valid during the creation were used as basis.

### Exposure controls

**Appropriate engineering controls** No further data.

**Personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

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### Breathing equipment:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

### Protection of hands:

Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

**Material of gloves** Rubber or other impervious gloves should be worn to prevent skin contact.

### Eye protection:



Safety glasses with side shield protection.



A face shield should also be worn if there is potential exposure to splash or spray.

### Body protection:

Use personal protective equipment as required.

Take off contaminated clothing.

## 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

#### Physical state

Liquid

#### Color:

According to product specification

#### Odor:

Characteristic

#### Melting point/Freezing point:

Undetermined.

#### Flammability:

Not applicable.

#### Explosion limits:

##### Lower:

Not applicable.

##### Upper:

Not applicable.

#### Flash point:

Not applicable.

#### Method:

#### Auto igniting:

260 °C (500 °F)

#### pH-value (~):

Not determined.

#### Viscosity:

#### Kinematic:

Not determined.

#### Dynamic:

Not determined.

#### Solubility in / Miscibility with

#### Water:

Not miscible or difficult to mix.

#### Partition coefficient (n-octanol/water):

Not determined.

#### Vapor pressure:

#### Density: (~) at 20 °C (68 °F)

0.9 g/cm<sup>3</sup> (7.511 lbs/gal)

#### Vapor density

Not determined.

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**Particle characteristics**

Not applicable.

**Other information**
**Appearance:**
**Form:**

Liquid

**Important information on protection of health and environment, and on safety.**
**Ignition temperature:**

Product is not self-igniting.

**Danger of explosion:**

Product does not present an explosion hazard.

**Change in condition**
**Evaporation rate**

Not applicable.

## 10 Stability and reactivity

**Reactivity**

Stable under normal conditions.

No further relevant information available.

**Chemical stability**
**Thermal decomposition:** No decomposition if used according to specifications.

**Possibility of hazardous reactions**

No dangerous reactions known.

No further relevant information available.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** Carbon monoxide and carbon dioxide

## 11 Toxicological information

**Information on toxicological effects**
**Acute toxicity:**
**LD/LC50 values relevant for classification:**
**127087-87-0 Nonylphenol polyethylene glycol ether**

LC50, 48h	0.3-21.4 mg/kg (daphnia magna) (Test Guideline 203)
LC50, 96h	3.8-6.2 mg/l (fish) (Test Guideline 203)

**Primary irritant effect:**
**on the skin:** Does not cause irritation.

**Additional Toxicological Information:**
**Interactive effects** No interactive effects between components are known.

**IARC (International Agency for Research on Cancer) Human Carcinogenicity:**
**Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable**

64-17-5	Ethanol	1
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**NTP (National Toxicology Program)**
**K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic**

None of the ingredients are listed.

**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients are listed.

**Alternative sources for toxicological information**

No non-standard sources for toxicological information where used.

## 12 Ecological information

**Toxicity**
**Aquatic toxicity:**
**127087-87-0 Nonylphenol polyethylene glycol ether**

IC50, 16h &gt;1,000 mg/l (bacterial)

**Persistence and degradability** No further relevant information available.

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

**Results of PBT and vPvB assessment**
**PBT:** Not applicable.

**vPvB:** Not applicable.

**Additional ecological information:**
**General notes:** Not known to be hazardous to water.

## 13 Disposal considerations

**Disposal methods:**

Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing product for disposal. Dispose of waste in accordance with all applicable regulations.

**Recommendation:**


Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packagings:**
**Recommendation:**

Dispose of contents/container in accordance with local/regional/national/international regulations.

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## 14 Transport information

<b>UN-Number</b> DOT, IMDG, IATA	Not applicable.
<b>UN proper shipping name</b> DOT, IMDG, IATA	Not applicable.
<b>Transport hazard class(es)</b> DOT, IMDG, IATA Class	Not applicable.
<b>Packing group</b> DOT, IMDG, IATA	Not applicable.
<b>Environmental hazards:</b> Marine pollutant:	No
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>Transport/Additional information:</b>	Not classified as a dangerous good for transport by road, rail or air.
<b>DOT</b> <b>Remarks:</b>	Unregulated.

## 15 Regulatory information

<b>Other regulations in domestic and foreign countries</b> <b>SARA (Superfund Amendments and Reauthorization Act)</b>	
<b>Section 302/304 (extremely hazardous substances):</b>	
None of the ingredients is listed.	
<b>Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):</b>	
127087-87-0	Nonylphenol polyethylene glycol ether
<b>North America Chemical Inventory Status</b>	
<b>TSCA (Toxic Substances Control Act - United States): (Substances not listed)</b>	
All ingredients are listed or exempt from listing unless otherwise noted below.	
<b>Canadian Domestic Substances List (DSL): (Substances not listed.)</b>	
All ingredients are listed or exempt from listing unless otherwise noted below.	
<b>California Proposition 65: (Substances &lt;0.1% unless noted in Section 3)</b>	
<b>Chemicals known to cause cancer:</b>	
4-Methyl-2-pentanone	
<b>Chemicals known to cause reproductive toxicity for females:</b>	
None of the ingredients are listed.	
<b>Chemicals known to cause reproductive toxicity for males:</b>	
None of the ingredients are listed.	
<b>Chemicals known to cause developmental toxicity:</b>	
108-10-1	4-Methyl-2-pentanone

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**Volatile Organic Compounds (VOC) reported per the Emission Standards.**

If no g/L value is provided this product is not subject to above standard.

**Per- and polyfluoroalkyl substances (PFAS)**

None of the ingredients are listed.

**16 Other information**

The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection.

**Department issuing SDS:**

Chryso, Inc.  
12770 Merit Drive, Suite 750  
Dallas, TX 75251 USA  
+1-877-423-6491

**Date of previous version** 12/16/2024**Version number of previous version:** 1.1**Date of preparation** 01/12/2026**The first date of preparation** 05/31/2012**Number of revision times and the latest revision date** 1.2 / 01/12/2026

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