

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

Date of issue: 01/23/2026

Version Number 1.0

Reviewed on 01/23/2026

## 1 Identification

### Product identifier

Trade name: ***Chryso®Mira 110***

### Other means of identification

SDS ID Number: SD1558

### 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  
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

Eye irritation 2A H319 Causes serious eye irritation.

Carcinogenicity 2 H351 Suspected of causing cancer. Route of exposure: Oral.

### 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

### Hazard-determining components of labeling:

Tributyl phosphate

### Hazard statements

Causes serious eye irritation.

Suspected of causing cancer. Route of exposure: Oral.

### Precautionary statements

Obtain special instructions before use.

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 01/23/2026

Version Number 1.0

Reviewed on 01/23/2026

**Trade name: Chryso®Mira 110**

(Cont. from page 1)

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 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 eye irritation persists: Get medical advice/attention.

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

### Hazard description:

**Eye Contact:** Causes eye irritation.

**Skin Contact:**

Causes skin irritation.

Toxic in contact with skin.

### Ingestion:

Large amounts of nitrates/nitrites may cause nausea, vomiting, cyanosis (due to methemoglobin formation), abnormally slow respiration, collapse and coma.

### Hazard Classification:

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



Health = 2

Fire = 0

Reactivity = 0

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



Health = \*2

Flammability = 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:

13780-06-8	Calcium nitrite	1-5%
540-72-7	Sodium thiocyanate	0.5-1.5%
126-73-8	Tributyl phosphate	0.1-1%

## 4 First-aid measures

### Description of first aid measures

**After inhalation:** Take affected persons into fresh air and keep quiet.

(Cont. on page 3)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 01/23/2026

Version Number 1.0

Reviewed on 01/23/2026

**Trade name:** *Chryso®Mira 110*

(Cont. from page 2)

**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.

**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:**

This material, if dried to a solid powder-like form, will become an oxidizer, which may provide oxygen to combustible materials.

**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.

Avoid contact with eyes.

**Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

**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.

**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.

(Cont. on page 4)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 01/23/2026

Version Number 1.0

Reviewed on 01/23/2026

**Trade name: *Chryso®Mira 110***

(Cont. from page 3)

Use only with adequate ventilation.

Wash clothing before reuse.

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

Ensure good interior ventilation.

Do not mix directly with acidic materials. Do not mix directly with other admixtures. Hazardous gas may form.

Store in original containers.

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. Do not apply where odors may penetrate living areas. To avoid skin contact, use gloves or barrier creams. Wear work clothes with long sleeves if skin contact is possible. Promptly cleanse hands with waterless hand cleaner, clean fingernails and wash with soap and water after handling. Do not use solvents to clean skin. FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

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.

## 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.

Protect from frost.

Store in cool, dry conditions in well sealed original receptacles.

**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.

#### 126-73-8 Tributyl phosphate

PEL	Long-term value: 5 mg/m <sup>3</sup>
REL	Long-term value: 2.5 mg/m <sup>3</sup> , 0.2 ppm
TLV	Long-term value: 5* mg/m <sup>3</sup> , 0.5* ppm BEI-C, *inhalable fraction and vapor, A3

#### Ingredients with biological limit values:

#### 126-73-8 Tributyl phosphate

BEI	70 % of baseline Medium: red blood cells Time: End of shift Parameter: Acetylcholinesterase activity (non-specific)
	60 % of baseline Medium: serum or plasma Time: End of shift Parameter: Butyrylcholinesterase activity (non-specific)

(Cont. on page 5)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 01/23/2026

Version Number 1.0

Reviewed on 01/23/2026

Trade name: **Chryso®Mira 110**

(Cont. from page 4)

**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.

Do not add amines to this product. Cancer-causing nitrosamines may be formed. Direct contact with other admixtures, washwater and any other material causing the pH to fall below specification can result in the formation of NO<sub>x</sub> gas creating a hazardous situation. Nitric oxide (NO) is a colorless, odorless gas. Nitrogen dioxide (NO<sub>2</sub>) is a reddish-brown gas with a highly pungent, bleach-like odor. Exposure can cause irritation to eyes and respiratory system and effect the central nervous and cardiovascular systems. Severe overexposure can be fatal. This hazard does not exist when mixed with other admixtures in concrete.

**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.).

A chemical cartridge respirator with organic vapor cartridge is required. A dust/mist cartridge or prefilter may be needed in addition to control exposure to mist. Supplied air respirator (SCBA) is required at exposure levels above the capabilities of a chemical cartridge respirator.

**Protection of hands:**

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

**Material of gloves** Butyl rubber, BR

**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

<b>Physical state</b>	Liquid
<b>Color:</b>	Colorless to light yellow
<b>Odor:</b>	Mild
<b>Melting point/Freezing point:</b>	Undetermined.
<b>Flammability:</b>	Not applicable.

(Cont. on page 6)

US

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 01/23/2026

Version Number 1.0

Reviewed on 01/23/2026

**Trade name: *Chryso®Mira 110***

(Cont. from page 5)

**Explosion limits:**

<b>Lower:</b>	Not applicable.
<b>Upper:</b>	Not applicable.
<b>Flash point:</b>	(Inorganic salt in water solution.)
<b>Method:</b>	
<b>Auto igniting:</b>	Undetermined.
<b>pH-value (~) at 20 °C (68 °F):</b>	9.5
<b>Viscosity:</b>	
<b>Kinematic:</b>	Not determined.
<b>Dynamic:</b>	Not determined.
<b>Solubility in / Miscibility with Water:</b>	Fully miscible.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Vapor pressure:</b>	
<b>Density: (~) at 20 °C (68 °F)</b>	1.065 g/cm <sup>3</sup> (8.887 lbs/gal)
<b>Vapor density</b>	Not determined.
<b>Particle characteristics</b>	Not applicable.

**Other information**

<b>Appearance:</b>	
<b>Form:</b>	Liquid
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	Product is not self-igniting.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Change in condition</b>	
<b>Evaporation rate</b>	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:**

Avoid direct contact with other admixtures and any other material which could cause the pH of this product to fall below 8.0. Those conditions can result in the formation of Nitrogen oxide (NO, NO<sub>2</sub>) gas, creating a hazardous situation.

**Hazardous decomposition products:**

Carbon monoxide and carbon dioxide  
Nitrogen oxides

US  
(Cont. on page 7)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 01/23/2026

Version Number 1.0

Reviewed on 01/23/2026

Trade name: **Chryso®Mira 110**

(Cont. from page 6)

## 11 Toxicological information

### Information on toxicological effects

#### Acute toxicity:

<b>LD/LC50 values relevant for classification:</b>		
<b>13780-06-8 Calcium nitrite</b>		
Oral	LD50	283 mg/kg (rat)

#### Primary irritant effect:

**on the skin:** Does not cause irritation.

#### Additional Toxicological Information:

**Interactive effects** No interactive effects between components are known.

<b>IARC (International Agency for Research on Cancer) Human Carcinogenicity:</b>		
<b>Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable</b>		
102-71-6	Triethanolamine	3

#### 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:** No further relevant information available.

**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.

(Cont. on page 8)

US

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 01/23/2026

Version Number 1.0

Reviewed on 01/23/2026

**Trade name: *Chryso®Mira 110***

(Cont. from page 7)

**Recommendation:**

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

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

Do not dry this material. If dried to a solid powder-like form, this material would be an oxidizer and classified as a reactive waste D001 according to the EPA (40 CFR § 261). Liquid waste is not defined as hazardous by EPA. Dispose of contents/container in accordance with local/regional/national/international regulations.

## 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>	Not applicable.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>Transport/Additional information:</b> DOT Remarks:	Unregulated.

## 15 Regulatory information

**Other regulations in domestic and foreign countries****SARA (Superfund Amendments and Reauthorization Act)****Section 302/304 (extremely hazardous substances):**

None of the ingredients is listed.

**Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):**

None of the ingredients is listed.

**North America Chemical Inventory Status****TSCA (Toxic Substances Control Act - United States): (Substances not listed)**

All ingredients are listed or exempt from listing unless otherwise noted below.

**Canadian Domestic Substances List (DSL): (Substances not listed.)**

All ingredients are listed or exempt from listing unless otherwise noted below.

**Right to Know Ingredient Disclosure:**

7732-18-5 | Water

(Cont. on page 9)

US

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 01/23/2026

Version Number 1.0

Reviewed on 01/23/2026

**Trade name: Chryso®Mira 110**

(Cont. from page 8)

	Proprietary Polycarboxylate Based Polymer
9038-95-3	Oxirane, methyl-, polymer with oxirane, monobutyl ether

**California Proposition 65: (Substances <0.1% unless noted in Section 3)**
**Chemicals known to cause cancer:**

lead

**Chemicals known to cause reproductive toxicity for females:**

7439-92-1 | lead

**Chemicals known to cause reproductive toxicity for males:**

7439-92-1 | lead

**Chemicals known to cause developmental toxicity:**

7439-92-1 | lead

**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** 12/10/2025

**Date of preparation** 01/23/2026

**The first date of preparation** 04/01/2024

**Number of revision times and the latest revision date** 1.0 / 01/23/2026