

Safety Data Sheet

Date of issue: 09/24/2025

Version Number 1.0

Reviewed on 09/24/2025

1 Identification**Product identifier**Trade name: ***Chryso®Optima 258 Emx*****Other means of identification**

SDS ID Number: SD1057

Relevant identified uses of the substance or mixture, and uses advised against:
Specialty construction product. Not intended for other uses.**Identified uses advised against:****Details of the supplier of the safety data sheet****Manufacturer/Supplier:**GCP Applied Technologies
2325 Lakeview Pkwy
Alpharetta GA 30009 USAGCP Canada, Inc.
294 Clements Road W.
Ajax, Ontario L1S 3C6 Canada**Information department:**

Environmental Health & Safety:

USA: +1-617-876-1400 (24 hours)

+1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts

CAN: 1-905-683-8561 (24 hours)

Email address: msds.gcp@gcpat.com

Emergency telephone number: 24 Hour Contact : CHEMTREC 1-800-424-9300**Transport Emergency:** Chemtrec: +1-800-424-9300 (24 hours)**2 Hazard(s) identification****Classification of the substance or mixture**

Eye damage 1 H318 Causes serious eye damage.

Label elements: The product is classified and labeled according to the Globally Harmonized System (GHS)**Hazard pictograms**

GHS05

Signal word Danger**Hazard statements**

Causes serious eye damage.

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Precautionary statements

Wear eye protection / face protection.

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

Immediately call a poison center/doctor.

Hazard Classification:**NFPA ratings (scale 0 - 4)**

Health = 1

Fire = 0

Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 2

Flammability = 0

Reactivity = 0

Other hazards**Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients**Chemical characterization: Mixture****Description:** Mixture of the hazardous substance(s) listed below with additional nonhazardous ingredients.**Hazardous components:**

| | | |
|----------|----------------------------------|-------|
| 540-72-7 | Sodium thiocyanate | 3-<5% |
| 140-07-8 | Tetrahydroxyethylethylenediamine | 1-<3% |

Additional information: Non-hazardous ingredients may be listed in Section 15; Right-To-Know disclosure.**4 First-aid measures****Description of first aid measures****General information:** Get medical advice/attention if you feel unwell.**After inhalation:** No special measures required.**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

No further relevant information available.

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Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures**Extinguishing media**Suitable extinguishing agents: CO₂, 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.

Use neutralizing agent.

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:****Information about storage in one common storage facility:** No special measures required.**Further information about storage conditions:** Keep receptacle tightly sealed.**Specific end use(s)** No further relevant information available.

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8 Exposure controls/personal protection**Control parameters****Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists that were valid during the creation were used as basis.
Canadian employers must consult the exposure limits in their province.

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.

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

Nitrile rubber.
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: | Green |
| Odor: | Mild paint-like odor |
| Odor threshold: | Not applicable. |
| Melting point/Freezing point: | 0 °C (32 °F) |
| Boiling point/Boiling range: | 100 °C (212 °F) |

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| | |
|---|---|
| Flammability: | Not applicable. |
| Lower: | Not applicable. |
| Upper: | Not applicable. |
| Flash point: | A flash point determination is unnecessary due to high water content. |
| Method: | |
| Auto igniting: | Undetermined. |
| Decomposition temperature: | Not applicable under normal storage conditions. |
| pH-value (~) at 20 °C (68 °F): | 4.5 |
| Viscosity: | |
| Kinematic: | Not determined. |
| Dynamic: | Not determined. |
| Solubility in / Miscibility with Water: | Fully miscible. |
| Partition coefficient (n-octanol/water): | Not determined. |
| Vapor pressure: | Not determined. |
| Vapor pressure: | |
| Density: (~) at 20 °C (68 °F) | 1.11 g/cm ³ (9.263 lbs/gal) |
| Vapor density | Not determined. |
| 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. |
| Molecular weight | Not determined. |

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: No further data.

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Primary irritant effect:**on the skin:** Does not cause irritation.**on the eye:** Causes serious eye damage.**inhalation:** No irritating effect expected**Additional toxicological information:****Carcinogenic categories****IARC (International Agency for Research on Cancer) Human Carcinogenicity:**
Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable

None of the ingredients are listed.

NTP (National Toxicology Program)**K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic**

None of the ingredients are listed.

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:** Must not reach bodies of water or drainage ditch undiluted or unneutralized.**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**UN-Number**

DOT, IMDG, IATA Not applicable.

UN proper shipping name

DOT, IMDG, IATA Not applicable.

Transport hazard class(es)DOT, IMDG, IATA
Class Not applicable.**Packing group**

DOT, IMDG, IATA Not applicable.

Environmental hazards: Not applicable.**Transport/Additional information:****DOT****Remarks:** Not Regulated.**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.

SARA Section 312/Tier I & II Hazard Categories: Health Hazard - Serious eye damage or eye irritation**North America Chemical Inventory Status****TSCA (Toxic Substances Control Act - United States):**

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

Canadian Domestic Substances List (DSL):

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

Right to Know Ingredient Disclosure:

7732-18-5 | Water

Proprietary Polycarboxylate Based Polymer

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

lead

4-methylimidazole

furfuryl alcohol

arsenic

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

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

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:

GCP Applied Technologies
2325 Lakeview Pkwy
Alpharetta GA, 30009 USA
USA: +1-617-876-1400 (24 hours)
+1-800-354-5414

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