

Safety Data Sheet

Date of issue: 10/30/2025

Version Number 1.0

Reviewed on 10/30/2025

1 Identification**Product identifier**Trade name: **Quantec® PL-450****Other means of identification**

SDS ID Number: SD60159

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:**Chryso Inc.
12770 Merit Drive, Suite 750
Dallas, TX 75251 USAGCP Canada, Inc.
294 Clements Road W.
Ajax, Ontario L1S 3C6 Canada**Information department:**Customer Service
+1-877-423-6491Safety Data Sheets
Email address: 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 damage 1	H318 Causes serious eye damage.
Specific target organ toxicity (repeated exposure) 2	H373 May cause damage to the kidneys, the liver and the blood through prolonged or repeated exposure. Route of exposure: Oral.

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

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Hazard pictograms

GHS05 GHS08

Signal word Danger**Hazard statements**

Causes skin irritation.

Causes serious eye damage.

May cause damage to the kidneys, the liver and the blood through prolonged or repeated exposure. Route of exposure: Oral.

Precautionary statements

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Wear protective gloves / eye protection / face 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.

Immediately call a poison center/doctor.

Get medical advice/attention if you feel unwell.

If skin irritation occurs: 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 Classification:**NFPA ratings (scale 0 - 4)**

Health = 3

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH 3 Health = *3

FIRE 1 Flammability = 1

REACTIVITY 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:**

68603-42-9	Coconut fatty acid diethanolamide	10-<15%
111-42-2	Diethanolamine	3-<5%

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127087-87-0 | Nonylphenol polyethylene glycol ether

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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:** If inhaled: Remove person to fresh air and keep comfortable for breathing.**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.

Immediately call a doctor.

Most important symptoms and effects, both acute and delayed

No further relevant information available.

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**

During heating or in case of fire poisonous gases are produced.

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.

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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**

Prevent formation of aerosols.

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:****111-42-2 Diethanolamine**

EL (Canada)	Long-term value: 2 mg/m ³ Skin, IARC 2B
EV (Canada)	Long-term value: 2 mg/m ³
REL (USA)	Long-term value: 15 mg/m ³ , 3 ppm
TLV (USA)	Long-term value: 1* mg/m ³ , 0.2 ppm Skin; *inhalable fraction and vapor, A3

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.

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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:

Yellowish.

Odor:

Mild paint-like odor

Odor threshold:

Not applicable.

Melting point/Freezing point:

Undetermined.

Boiling point/Boiling range:

Undetermined.

Flammability:

Not applicable.

Lower:

Not applicable.

Upper:

Not applicable.

Flash point:

Not applicable.

Method:**Auto igniting:**

Undetermined.

Decomposition temperature:

Not applicable under normal storage conditions.

pH-value (~) at 20 °C (68 °F):

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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)	1.01 g/cm ³ (8.428 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.**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:****111-42-2 Diethanolamine**

Oral	LD50	710 mg/kg (rat)
Dermal	LD50	8,328 mg/kg (rabbit)

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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:** Causes skin irritation.**on the eye:** Causes serious eye damage.**inhalation:** No irritating effect expected**Ingestion:**

May cause damage to the kidneys, the liver and the blood through prolonged or repeated exposure. Route of exposure: Oral.

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

68603-42-9	Coconut fatty acid diethanolamide	2B
111-42-2	Diethanolamine	2B

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:****127087-87-0 Nonylphenol polyethylene glycol ether**

IC50, 16h | >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:** 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.

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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.

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):

111-42-2	Diethanolamine
127087-87-0	Nonylphenol polyethylene glycol ether

SARA Section 312/Tier I & II Hazard Categories:

Health Hazard - Skin Corrosion or Irritation

Health Hazard - Serious eye damage or eye irritation

Health Hazard - Specific target organ toxicity (single or repeated exposure)

North America Chemical Inventory Status**TSCA (Toxic Substances Control Act - United States):**

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

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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

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

Coconut fatty acid diethanolamide

acetaldehyde

Ethylene oxide

1,4-dioxane

propylene oxide

Formaldehyde

Chemicals known to cause reproductive toxicity for females:

75-21-8 | Ethylene oxide

Chemicals known to cause reproductive toxicity for males:

75-21-8 | Ethylene oxide

Chemicals known to cause developmental toxicity:

75-21-8 | Ethylene oxide

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

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:

Chryso Inc.

12770 Merit Drive, Suite 750

Dallas, TX 75251 USA

+1-877-423-6491

The first date of preparation 10/17/2025**Number of revision times and the latest revision date** 1.0 / 10/30/2025