



**Safety Data Sheet
Water based industrial cleaner**

**Revision
Date: 05/29/2025**

Section 1. Identification

Product identifier

Product Identity Water based industrial cleaner

Other means of identification CLEANER 100

Relevant identified uses of the substance or mixture and uses advised against
Water based industrial cleaner

Details of the supplier of the safety data sheet

Company Name Chem-Ecol Ltd.
640 Victoria St.
Cobourg, Ontario K9A 5H5

Emergency

24 hour Emergency Telephone No. 1-800-263-3939

Customer Service: Chem-Ecol Ltd. 905-372-2251

Email Address SDS@e360s.ca

Section 2. Hazard(s) identification

This SDS is aligned with the Workplace Hazardous Materials Information System (WHMIS) and with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Classification of the substance or mixture

Reproductive toxicity, category May damage fertility. May damage the unborn child.
1B;H360FD

Aquatic toxicity (chronic), category Harmful to aquatic life with long lasting effects.
3;H412

Label elements



Danger

H360FD* May damage fertility. May damage the unborn child.

H412 Harmful to aquatic life with long lasting effects.

[Prevention]

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P273 Avoid release to the environment.

P280 Wear protective gloves, eye protection, and face protection.

[Response]

P308+313 IF exposed or concerned: Get medical advice or attention.

P332+313 If skin irritation occurs: Get medical attention.

[Storage]

P405 Store locked up.

[Disposal]

P501 Dispose of contents or container in accordance with local and national regulations.

Other hazards

This product contains no PBT/vPvB/vPvM chemicals.

| | | |
|-------------|---------------------------------------|---------------------|
| 127087-87-0 | Nonylphenol polyethylene glycol ether | Endocrine disruptor |
|-------------|---------------------------------------|---------------------|

Does not contain component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS) per US or Canadian regulations.

Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the Hazardous Products Regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|---|----------|--|-------|
| Nonylphenol polyethylene glycol ether CAS Number: 127087-87-0 Synonyms: Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-,branched | 3 - 7 | Skin corrosion/irritation category 2;H315 Serious eye damage / eye irritation, category 2;H319 Aquatic toxicity (chronic), category 2;H411 | --- |
| pentasodium triphosphate CAS Number: 7758-29-4 Synonyms: STPP-LIGHT | 3 - 7 | Skin corrosion/irritation category 2;H315 Serious eye damage / eye irritation, category 2;H319 Specific target organ toxicity, Single exposure category 3;H335 | --- |
| Diethylene glycol monobutyl ether CAS Number: 112-34-5 Synonyms: No available information | 1 - 5 | Serious eye damage / eye irritation, category 2;H319 Combustible Liquid;H227 Acute toxicity(dermal), category 5;H313 Specific target organ toxicity, Single exposure category 3;H335 Specific target organ toxicity, Single exposure category 3;H336 | --- |
| Borates, tetra, sodium salts, pentahydrate CAS Number: 12179-04-3 Synonyms: No available information | 1 - 5 | Reproductive toxicity, category 1B;H360FD | --- |

The actual concentration or concentration range is withheld as a trade secret.

*PBT/vPvB - PBT, vPvM or vPvB-substance.

The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

Description of first aid measures

| | |
|-------------------|--|
| General | In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. |
| Inhalation | Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth. |
| Eyes | Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention. |
| Skin | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. |
| Ingestion | If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting. |

Most important symptoms and effects, both acute and delayed

| | |
|-----------------|---|
| Overview | No specific symptom data available. Reproductive or genetic defect hazard. Treat symptomatically. See section 2 for further details. |
| Skin | Causes mild skin irritation. |

Section 5. Fire-fighting measures

Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.

Unsuitable extinguishing media: Do not use; water jet.

Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Environmental precautions

Do not allow spills to enter drains or waterways.

Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapours. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

Section 7. Handling and storage

Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

See section 2 for further details. - [Prevention]

Conditions for safe storage, including any incompatibilities

Keep from freezing

Incompatible materials: No available information

See section 2 for further details. - [Storage]

Specific end use(s)

No available information

Section 8. Exposure controls / personal protection

Control parameters

Exposure Limits

| CAS No. | Ingredient | Source | Value |
|-----------|-----------------------------------|---------------------------|--|
| 112-34-5 | Diethylene glycol monobutyl ether | ACGIH | 10 ppm (IFV) Inhalable Fraction and vapour |
| | | Alberta | No Established Limit |
| | | British Columbia | No Established Limit |
| | | Manitoba | 10 ppm TWA (inhalable fraction and vapour) |
| | | New Brunswick | No Established Limit |
| | | Newfoundland and Labrador | 10 ppm TWA (inhalable fraction and vapour) |
| | | Nova Scotia | 10 ppm TWA (inhalable fraction and vapour) |
| | | Northwest Territories | No Established Limit |
| | | Nunavut | No Established Limit |
| | | Ontario | 10 ppm TWA (inhalable fraction and vapour) |
| | | Prince Edward Island | 10 ppm TWA (inhalable fraction and vapour) |
| | | Quebec | No Established Limit |
| | | Saskatchewan | No Established Limit |
| | | Yukon | No Established Limit |
| 7758-29-4 | pentasodium triphosphate | ACGIH | No Established Limit |
| | | Alberta | No Established Limit |
| | | British Columbia | No Established Limit |
| | | Manitoba | No Established Limit |
| | | New Brunswick | No Established Limit |
| | | Newfoundland and Labrador | No Established Limit |
| | | Nova Scotia | No Established Limit |

| | | | |
|-------------|--|---------------------------|--|
| | | Northwest Territories | No Established Limit |
| | | Nunavut | No Established Limit |
| | | Ontario | No Established Limit |
| | | Prince Edward Island | No Established Limit |
| | | Quebec | No Established Limit |
| | | Saskatchewan | No Established Limit |
| | | Yukon | No Established Limit |
| 12179-04-3 | Borates, tetra, sodium salts, pentahydrate | ACGIH | 2 mg/m ³ (I) Inhalable 6 mg/m ³ (I) Inhalable |
| | | Alberta | 1 mg/m ³ TWA (listed under Borates, tetra, sodium salts) 3 ppm STEL (listed under Borates, tetra, sodium salts) |
| | | British Columbia | 2 mg/m ³ TWA (inhalable, listed under Borate compounds, inorganic) 6 mg/m ³ STEL (inhalable, listed under Borate compounds, inorganic) |
| | | Manitoba | 2 mg/m ³ TWA (inhalable particulate matter, listed under Borate compounds, inorganic) 6 mg/m ³ STEL (inhalable particulate matter, listed under Borate compounds, inorganic) |
| | | New Brunswick | 1 mg/m ³ TWA |
| | | Newfoundland and Labrador | 2 mg/m ³ TWA (inhalable particulate matter, listed under Borate compounds, inorganic) 6 mg/m ³ STEL (inhalable particulate matter, listed under Borate compounds, inorganic) |
| | | Nova Scotia | 2 mg/m ³ TWA (inhalable particulate matter, listed under Borate compounds, inorganic) 6 mg/m ³ STEL (inhalable particulate matter, listed under Borate compounds, inorganic) |
| | | Northwest Territories | 2 mg/m ³ TWA (inhalable fraction, listed under Borate compounds, inorganic) 6 mg/m ³ STEL (inhalable fraction, listed under Borate compounds, inorganic) |
| | | Nunavut | 2 mg/m ³ TWA (inhalable fraction, listed under Borate compounds, inorganic) 6 mg/m ³ STEL (inhalable fraction, listed under Borate compounds, inorganic) |
| | | Ontario | 2 mg/m ³ TWA (inhalable, listed under Borate compounds, inorganic) 6 mg/m ³ STEL (inhalable, listed under Borate compounds, inorganic) |
| | | Prince Edward Island | 2 mg/m ³ TWA (inhalable particulate matter, listed under Borate compounds, inorganic) 6 mg/m ³ STEL (inhalable particulate matter, listed under Borate compounds, inorganic) |
| | | Quebec | 1 mg/m ³ TWAEV |
| | | Saskatchewan | 2 mg/m ³ TWA (inhalable fraction, listed under Borate compounds, inorganic) 6 mg/m ³ STEL (inhalable fraction, listed under Borate compounds, inorganic) |
| | | Yukon | No Established Limit |
| 127087-87-0 | Nonylphenol polyethylene glycol ether | ACGIH | No Established Limit |
| | | Alberta | No Established Limit |
| | | British Columbia | No Established Limit |
| | | Manitoba | No Established Limit |
| | | New Brunswick | No Established Limit |
| | | Newfoundland and Labrador | No Established Limit |
| | | Nova Scotia | No Established Limit |
| | | Northwest Territories | No Established Limit |
| | | Nunavut | No Established Limit |
| | | Ontario | No Established Limit |
| | | Prince Edward Island | No Established Limit |
| | | Quebec | No Established Limit |
| | | Saskatchewan | No Established Limit |
| | | Yukon | No Established Limit |

Exposure controls

| | |
|-----------------------------|--|
| Respiratory | If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators. |
| Eyes | Protective safety glasses recommended |
| Skin | Avoid skin contact. Protective gloves recommended. |
| Engineering Controls | Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapour below occupational exposure limits suitable respiratory protection must be worn. |
| Other Work Practices | Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. |

See section 2 for further details.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|--|--|
| Physical State | Liquid |
| Color | Colorless |
| Odour | Mild |
| Melting point / freezing point | N/A |
| Initial boiling point and boiling range | >100 °C |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: No available information Upper Explosive Limit: No available information °F °C, Test method: (Open/Close cup) - N/A |
| Flash Point | No available information |
| Auto-ignition temperature | No available information |
| Decomposition temperature | No available information |
| pH | 9.5 |
| Viscosity (cSt) | No available information |
| Solubility in Water | N/A |
| Partition coefficient n-octanol/water (Log Kow) | No available information |
| Vapour pressure (Pa) | No available information |
| Relative Density | 1.10 |
| Vapour Density | No available information |
| Evaporation rate (Ether = 1) | < 1 |
| Oxidising properties | No available information |
| Explosive properties | No available information |
| Other information | No other relevant information. |

Section 10. Stability and reactivity

Reactivity

Hazardous Polymerization will not occur.

Chemical stability

Stable under normal circumstances.

Possibility of hazardous reactions

No available information

Conditions to avoid

Avoid high temperatures and contact with incompatible material

Incompatible materials

No available information

Hazardous decomposition products

No hazardous decomposition data available.

Section 11. Toxicological information

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation vapour LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
|---|--------------------------------|-----------------------------------|----------------------------------|-------------------------------------|--------------------------|
| Nonylphenol polyethylene glycol ether - (127087-87-0) | No data available. | No data available. | No data available. | No data available. | No data available. |
| pentasodium triphosphate - (7758-29-4) | No data available. | > 4,640.00, Rabbit - Category: NA | No data available. | No data available. | No data available. |
| Diethylene glycol monobutyl ether - (112-34-5) | 5,530.00, Mouse - Category: NA | No data available. | No data available. | No data available. | No data available. |
| Borates, tetra, sodium salts, pentahydrate - (12179-04-3) | No data available. | No data available. | No data available. | No data available. | No data available. |

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|-------------|--|--------|--|
| 112-34-5 | Diethylene glycol monobutyl ether | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| | | ACGIH | No Established Limit |
| 7758-29-4 | pentasodium triphosphate | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| | | ACGIH | No Established Limit |
| 12179-04-3 | Borates, tetra, sodium salts, pentahydrate | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| | | ACGIH | A4 |
| 127087-87-0 | Nonylphenol polyethylene glycol ether | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| | | ACGIH | No Established Limit |

| Classification | Category | Hazard Description |
|-------------------------|----------|--------------------|
| Acute toxicity (oral) | --- | Not Applicable |
| Acute toxicity (dermal) | --- | Not Applicable |

| | | |
|-------------------------------|-----|--|
| Acute toxicity (inhalation) | --- | Not Applicable |
| Skin corrosion/irritation | --- | Not Applicable |
| Serious eye damage/irritation | --- | Not Applicable |
| Respiratory sensitization | --- | Not Applicable |
| Skin sensitization | --- | Not Applicable |
| Germ cell mutagenicity | --- | Not Applicable |
| Carcinogenicity | --- | Not Applicable |
| Reproductive toxicity | 1B | May damage fertility. May damage the unborn child. |
| STOT-single exposure | --- | Not Applicable |
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard | --- | Not Applicable |

Possible routes of entry: No available information

Symptoms and effects, both acute and delayed:

No specific symptom data available.

Reproductive or genetic defect hazard. Treat symptomatically.

Skin Causes mild skin irritation.

Section 12. Ecological information

Toxicity

Harmful to aquatic life with long lasting effects.

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/L | 48 hr EC50 crustacea, mg/L | ErC50 algae, mg/L |
|---|-------------------------------|----------------------------|---------------------------------|
| Nonylphenol polyethylene glycol ether - (127087-87-0) | No data available. | No data available. | No data available. |
| pentasodium triphosphate - (7758-29-4) | 1,850.00, Fish | 100.00, Daphnia magna | No data available. |
| Diethylene glycol monobutyl ether - (112-34-5) | 1,300.00, Lepomis macrochirus | 101.00, Daphnia magna | 101.00, Desmodesmus subspicatus |
| Borates, tetra, sodium salts, pentahydrate - (12179-04-3) | 74.00, Limanda limanda | 242.00, Daphnia magna | No data available. |

Persistence and degradability

There is no data available on the preparation itself.

Bioaccumulative potential

No available information

Mobility in soil

No available information

Results of PBT and vPvB assessment

This product contains no PBT/vPvB/vPvM chemicals.

Other adverse effects

No available information

Section 13. Disposal considerations

Waste treatment methods

Observe all federal, provincial and local regulations when disposing of this substance.

Section 14. Transport information

Classification Method: Classified as per Part 2, Sections 2.1-2.8 of the Transportation of Dangerous Goods Regulations.

| | TDG (Domestic Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
|-----------------------------------|--|--|--|
| UN number | Not Regulated | Not Regulated | Not Regulated |
| UN proper shipping name | Not Regulated | Not Regulated | Not Regulated |
| Transport hazard class(es) | Class: Not Applicable Sub Class: Not Applicable | Class: Not Applicable Sub Class: Not Applicable | Class: Not Applicable Sub Class: Not Applicable |
| Packing group | Not Applicable | Not Applicable | Not Applicable |

Environmental hazards

IMDG Marine Pollutant: No;

Special precautions for user

No available information

Section 15. Regulatory information

This product has been classified in accordance with the hazard criteria Hazardous Products Regulations (SOR/2015-17 amended 2022-12-15) and the SDS contains all of the information required by those regulations.

Canadian Domestic Substance List (DSL):

Diethylene glycol monobutyl ether
Nonylphenol polyethylene glycol ether
Polyethylene glycol
pentasodium triphosphate
Polyoxyethylene dinonylphenol
Water

Canadian Non-Domestic Substance List (NDSL):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Section 16. Other information

Revision Date 05/29/2025

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H227 Combustible liquid.

H313 May be harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness and dizziness.

H360 May damage fertility or the unborn child.

H411 Toxic to aquatic life with long lasting effects.

Disclaimer:

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for their own particular use.

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