

SECTION 1: Identification

1.1. Product identifier

Product name : #1 REMOVER
Product code : 1300531

1.2. Recommended use and restrictions on use

Recommended use : Floor finish remover
Restrictions on use : Industrial and Institutional use only

1.3. Supplier

Project Clean Inc.
12 James Street N, Suite 202
Hamilton, ON L8R 2J9
T 1 800 663 9925
regulatory@projectclean.com - www.projectclean.ca

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Canada	CHEMTREC Chemical Emergency	www.chemtrec.com	1 800 424 9300	24hr/day 7days/week within USA and Canada
Canada	CANUTEC Transportation Emergency	www.canutec.com	1 613 996 6666 *666 on a cell phone	24hr/day 7days/week within USA and Canada

SECTION 2: Hazard identification


2.1. Classification of the substance or mixture

Classification (GHS CA)

Skin corrosion/irritation, Category 1 H314 Causes severe skin burns and eye damage.
Serious eye damage/eye irritation, Category 1 H318 Causes serious eye damage.
Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS CA) : 

Signal word (GHS CA) : Danger

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Hazard statements (GHS CA)	: H314 - Causes severe skin burns and eye damage. H318 - Causes serious eye damage.
Precautionary statements (GHS CA)	: P260 - Do not breathe fume, mist, vapour, spray. P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves, protective clothing, eye protection, or face protection. P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor. P321 - Specific treatment (see supplemental first aid instruction on the product SDS). P363 - Wash contaminated clothing before reuse. P405 - Store locked up. P501 - Dispose of contents and or container to hazardous or special waste collection point, in accordance with city, provincial, or federal regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	% w/w
Benzyl Alcohol	(hydroxymethyl)benzene	CAS-No.: 100-51-6	7 - 13
2-Phenoxyethanol	2-Phenoxyethanol	CAS-No.: 122-99-6	3 - 7
Monoethanolamine	Monoethanolamine	CAS-No.: 141-43-5	3 - 7
Sodium hydroxide	Sodium hydroxide	CAS-No.: 1310-73-2	1 - 5
Caprylic acid	Octanoic acid	CAS-No.: 124-07-2	1 - 5

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Name	Chemical name / Synonyms	Product identifier	% w/w
Sodium (C14-16) olefin sulfonate	Sulfonic acids, alkane(C=14-16) hydroxy and alkene(C=14-16) sodium salts	CAS-No.: 68439-57-6	1 – 5
Sodium xylenesulphonate	Benzene sulfonic acid, dimethyl-, sodium salt	CAS-No.: 1300-72-7	1 – 5
Disodium metasilicate	silicic acid (H ₂ -SiO ₃), disodium salt	CAS-No.: 6834-92-0	0.5 – 1.5

*The exact concentrations have been withheld as a trade secret. Les concentrations exactes ont été retenues en tant que secret commercial.

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water or shower. Take off immediately all contaminated clothing. Call a physician immediately.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.
- First-aid measures general : Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after skin contact : Burns.
- Symptoms/effects after eye contact : Serious damage to eyes.
- Symptoms/effects after ingestion : Burns.
- Chronic symptoms : Cracking of the skin. Irritation of the eye tissue.
- Expected Symptoms/Effects, Acute and Delayed : May cause skin irritation, dermatitis, or skin burns. May cause dermatitis, eye irritation, corneal oedema and chemical burns.

4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Unsuitable extinguishing media

No additional information available

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5.3. Specific hazards arising from the hazardous product

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

General measures : Avoid contact with skin and eyes. Do not handle until all safety precautions have been read and understood. Clean up any spills as soon as possible, using an absorbent material to collect it.

6.1.1. For non-emergency personnel

Protective equipment : Gloves (EN 374). Protective clothing (EN 14605 or EN 13034). Chemical goggles or face shield with safety glasses.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe fume, mist, vapours, or spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls or personal protection".

Emergency procedures : Ventilate area. Evacuate unnecessary personnel. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe fume, mist, vapours, or spray. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong acids.

Incompatible materials : Metals.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sodium hydroxide (1310-73-2)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Sodium hydroxide
OEL C	2 mg/m ³
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Sodium hydroxide
Plafond (OEL C)	2 mg/m ³
Notations and remarks	RP
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Sodium hydroxide
OEL C	2 mg/m ³
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Sodium hydroxide
OEL C	2 mg/m ³
Notations and remarks	TLV® Basis: URT, eye, & skin irr
Regulatory reference	ACGIH 2022
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Sodium hydroxide

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Sodium hydroxide (1310-73-2)	
OEL C	2 mg/m ³
Notations and remarks	TLV® Basis: URT, eye, & skin irr
Regulatory reference	ACGIH 2022
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Sodium hydroxide
OEL C	2 mg/m ³
Notations and remarks	TLV® Basis: URT, eye, & skin irr
Regulatory reference	ACGIH 2022
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Sodium hydroxide
OEL C	2 mg/m ³
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Sodium hydroxide
OEL C	2 mg/m ³
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Sodium hydroxide
OEL C	2 mg/m ³
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Sodium hydroxide
OEL C	2 mg/m ³
Notations and remarks	TLV® Basis: URT, eye, & skin irr
Regulatory reference	ACGIH 2022
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Sodium hydroxide
OEL C	2 mg/m ³

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Sodium hydroxide (1310-73-2)	
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
USA - ACGIH - Occupational Exposure Limits	
Local name	Sodium hydroxide
ACGIH OEL C	2 mg/m ³
Remark (ACGIH)	TLV® Basis: URT, eye, & skin irr
Regulatory reference	ACGIH 2022
USA - OSHA - Occupational Exposure Limits	
Local name	Sodium hydroxide
OSHA PEL TWA [1]	2 mg/m ³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
2-Phenoxyethanol (122-99-6)	
Canada (Ontario) - Occupational Exposure Limits	
Local name	2-Phenoxyethanol
OEL TWA	141 mg/m ³
OEL TWA [ppm]	25 ppm
Notations and remarks	Skin
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Monoethanolamine (141-43-5)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Ethanolamine (2-Aminoethanol)
OEL TWA	7.5 mg/m ³
OEL TWA [ppm]	3 ppm
OEL STEL	15 mg/m ³
OEL STEL [ppm]	6 ppm
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Regulatory reference	Alberta Regulation 191/2021

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Monoethanolamine (141-43-5)	
Canada (Quebec) - Occupational Exposure Limits	
Local name	2-Aminoethanol (Ethanolamine)
VECD (OEL STEL)	15 mg/m ³
VECD (OEL STEL) [ppm]	6 ppm
VEMP (OEL TWA)	7.5 mg/m ³
VEMP (OEL TWA) [ppm]	3 ppm
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Ethanolamine
OEL TWA [ppm]	3 ppm
OEL STEL [ppm]	6 ppm
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Ethanolamine
OEL TWA [ppm]	3 ppm
OEL STEL [ppm]	6 ppm
Notations and remarks	TLV® Basis: Eye & skin irr
Regulatory reference	ACGIH 2022
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Ethanolamine
OEL TWA [ppm]	3 ppm
OEL STEL [ppm]	6 ppm
Notations and remarks	Eye & skin irr
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Ethanolamine
OEL TWA [ppm]	3 ppm
OEL STEL [ppm]	6 ppm
Notations and remarks	TLV® Basis: Eye & skin irr

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Monoethanolamine (141-43-5)	
Regulatory reference	ACGIH 2022
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Ethanolamine
OEL TWA [ppm]	3 ppm
OEL STEL [ppm]	6 ppm
Notations and remarks	TLV® Basis: Eye & skin irr
Regulatory reference	ACGIH 2022
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Ethanolamine
OEL TWA [ppm]	3 ppm
OEL STEL [ppm]	6 ppm
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Ethanolamine
OEL TWA [ppm]	3 ppm
OEL STEL [ppm]	6 ppm
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Ethanolamine
OEL TWA [ppm]	3 ppm
OEL STEL [ppm]	6 ppm
Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Ethanolamine
OEL TWA [ppm]	3 ppm
OEL STEL [ppm]	6 ppm
Notations and remarks	TLV® Basis: Eye & skin irr
Regulatory reference	ACGIH 2022

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Monoethanolamine (141-43-5)	
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Ethanolamine
OEL TWA [ppm]	3 ppm
OEL STEL [ppm]	6 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
USA - ACGIH - Occupational Exposure Limits	
Local name	Ethanolamine
ACGIH OEL TWA [ppm]	3 ppm
ACGIH OEL STEL [ppm]	6 ppm
Remark (ACGIH)	TLV® Basis: Eye & skin irr
Regulatory reference	ACGIH 2022
USA - OSHA - Occupational Exposure Limits	
Local name	Ethanolamine
OSHA PEL TWA [1]	6 mg/m ³
OSHA PEL TWA [2]	3 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Materials for protective clothing:
Nitrile rubber/PVC
Hand protection:
Protective gloves
Eye protection:
Safety glasses

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Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear, Colourless liquid.
Colour	: Colourless
Odour	: Amine-like odour
Odour threshold	: No data available
pH	: > 12
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: > 100 °C
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: No data available
Upper and lower flammability or explosive limit	: No data available Not applicable
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: 1.05 – 1.1
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: Thin like water
Explosive properties	: Not explosive.
Explosive limits	: No data available

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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: Strong acids. Metals.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Not classified.

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ATE CA (oral)	4507 mg/kg bodyweight
ATE CA (Dermal)	9786 mg/kg bodyweight
ATE CA (vapours)	12.5 mg/l/4h
ATE CA (dust,mist)	12.5 mg/l/4h
Disodium metasilicate (6834-92-0)	
LD50 oral rat	1152 – 1349 mg/kg bodyweight (Rat, Male / female, Experimental value, Oral, 7 day(s))
LD50 dermal rat	> 5000 mg/kg bodyweight (EPA OPPTS 870.1200: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 2.06 mg/l (EPA OPPTS 870.1300: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))

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Sodium hydroxide (1310-73-2)	
LD50 dermal rabbit	1350 mg/kg
ATE CA (Dermal)	1350 mg/kg bodyweight
2-Phenoxyethanol (122-99-6)	
LD50 oral rat	1850 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	14391 mg/kg (24 h, Rat, Male / female, Dermal, 48 day(s))
LD50 dermal rabbit	> 2214 mg/kg bodyweight Animal: rabbit, Guideline: other:
LC50 Inhalation - Rat	> 1 mg/l (OECD 412: Repeated Dose Inhalation Toxicity:28/14-Day, 6 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))
ATE CA (oral)	500 mg/kg bodyweight
Monoethanolamine (141-43-5)	
LD50 oral rat	1089 mg/kg Source: OECD SIDS
LD50 dermal rabbit	2504 mg/kg Source: OECD SIDS
LC50 Inhalation - Rat (Vapours)	> 1487 mg/l Source: ECHA
ATE CA (oral)	1089 mg/kg bodyweight
ATE CA (Dermal)	2504 mg/kg bodyweight
Benzyl Alcohol (100-51-6)	
LD50 oral rat	1620 mg/kg bw/day (Rat, Male, Experimental value, Oral, 14 day(s))
LD50 oral	1580 mg/kg bodyweight Animal: mouse, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1410 - 1770
LD50 dermal rat	2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg (EPA OTS 798.1100, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 4.18 mg/l/4h (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, (maximum achievable concentration), Inhalation (aerosol), 14 day(s))
LC50 Inhalation - Rat (Vapours)	> 4.178 mg/l
ATE CA (oral)	1580 mg/kg bodyweight
ATE CA (Dermal)	2000 mg/kg bodyweight

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Benzyl Alcohol (100-51-6)	
ATE CA (Gases)	4500 ppmv/4h
ATE CA (vapours)	11 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h

Caprylic acid (124-07-2)	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 5000 mg/kg Source: IUCLID

Sodium (C14-16) olefin sulfonate (68439-57-6)	
LD50 oral rat	290 mg/kg Source: International Uniform Chemical Information Database
LC50 Inhalation - Rat	> 52 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:

Sodium xylenesulphonate (1300-72-7)	
LD50 oral rat	> 7000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 6.41 mg/l (Equivalent or similar to OECD 403, 232 minutes, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))

Skin corrosion/irritation : Causes severe skin burns.
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Sodium (C14-16) olefin sulfonate (68439-57-6)	
NOAEL (chronic, oral, animal/male, 2 years)	≥ 195 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other:
NOAEL (chronic, oral, animal/female, 2 years)	≥ 259 mg/kg bodyweight Animal: rat, Animal sex: female, Remarks on results: other:

Reproductive toxicity : Not classified
STOT-single exposure : Not classified

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Disodium metasilicate (6834-92-0)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure : Not classified	
Disodium metasilicate (6834-92-0)	
NOAEL (oral, rat, 90 days)	227 – 237 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
2-Phenoxyethanol (122-99-6)	
LOAEL (oral, rat, 90 days)	> 700 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)
LOAEL (dermal, rat/rabbit, 90 days)	> 500 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
NOAEL (dermal, rat/rabbit, 90 days)	500 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
Benzyl Alcohol (100-51-6)	
NOAEL (oral, rat, 90 days)	400 mg/kg bodyweight Animal: rat, Guideline: other:

Aspiration hazard : Not classified

Likely routes of exposure : Skin and eyes contact. Ingestion.

Expected Symptoms/Effects, Acute and Delayed : May cause skin irritation, dermatitis, or skin burns. May cause dermatitis, eye irritation, corneal oedema and chemical burns.

Symptoms/effects after skin contact : Burns.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Burns.

Chronic symptoms : Cracking of the skin. Irritation of the eye tissue.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

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Disodium metasilicate (6834-92-0)	
LC50 - Fish [1]	210 mg/l (ISO 7346-1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	1700 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
EC50 72h - Algae [1]	207 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
Partition coefficient n-octanol/water (Log Pow)	-5.65
2-Phenoxyethanol (122-99-6)	
LC50 - Fish [1]	220 - 460 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	> 500 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Behaviour)
ErC50 algae	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 72h - Algae [1]	500 mg/l Source: IUCLID
Partition coefficient n-octanol/water (Log Pow)	1.2 (Experimental value, EU Method A.8: Partition Coefficient, 23 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.6 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Monoethanolamine (141-43-5)	
LC50 - Fish [1]	170 mg/l Source: OECD SIDS
EC50 - Crustacea [1]	32.6 mg/l
ErC50 algae	2.1 mg/l Source: ECHA
Partition coefficient n-octanol/water (Log Pow)	-1.31 Source: ICSC

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Benzyl Alcohol (100-51-6)	
LC50 - Fish [1]	460 mg/l (EPA OPP 72-1, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	230 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	770 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
EC50 72h - Algae [1]	770 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	500 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	76828 mg/l Test organisms (species): other:
NOEC chronic fish	48897 mg/l Test organisms (species): other: Duration: '30 d'
BCF - Fish [1]	1.37 l/kg (BCFBAF v3.01, Estimated value)
Partition coefficient n-octanol/water (Log Pow)	1 - 1.1 (Experimental value, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.122 - 1.332 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Caprylic acid (124-07-2)	
LC50 - Fish [1]	22 mg/l (US EPA, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	> 20 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
EC50 72h - Algae [1]	43.73 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate)
EC50 72h - Algae [2]	23.28 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

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Caprylic acid (124-07-2)	
BCF - Fish [1]	234 - 288 (Equivalent or similar to OECD 305, 28 day(s), Danio rerio, Flow-through system, Fresh water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.05 (Experimental value)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.46 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Sodium (C14-16) olefin sulfonate (68439-57-6)	
LC50 - Fish [1]	4.2 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	4.53 mg/l Test organisms (species): Ceriodaphnia sp.
EC50 72h - Algae [1]	5.2 mg/l Test organisms (species): Skeletonema costatum
NOEC (chronic)	6.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Partition coefficient n-octanol/water (Log Pow)	4.49 Source: Quantitative Structure Activity Relation
LOEC (chronic)	20 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Sodium xylenesulphonate (1300-72-7)	
LC50 - Fish [1]	> 1000 mg/l (EPA OTS 797.1400, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	> 1000 mg/l (EPA OTS 797.1300, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 96h - Algae [1]	≥ 230 mg/l (EPA OTS 797.1050, Selenastrum capricornutum, Static system, Fresh water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	-3.12 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.42 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

12.2. Persistence and degradability

Persistence and degradability Not established.

Disodium metasilicate (6834-92-0)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)

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Disodium metasilicate (6834-92-0)	
ThOD	Not applicable (inorganic)
2-Phenoxyethanol (122-99-6)	
Persistence and degradability	Readily biodegradable in water.
Benzyl Alcohol (100-51-6)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Caprylic acid (124-07-2)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.27 g O ₂ /g substance
Sodium xylenesulphonate (1300-72-7)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

Bioaccumulative potential No test data available.

Disodium metasilicate (6834-92-0)	
Bioaccumulative potential	Not bioaccumulative.
Partition coefficient n-octanol/water (Log Pow)	-5.65
2-Phenoxyethanol (122-99-6)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Partition coefficient n-octanol/water (Log Pow)	1.2 (Experimental value, EU Method A.8: Partition Coefficient, 23 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.6 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Monoethanolamine (141-43-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.31 Source: ICSC
Benzyl Alcohol (100-51-6)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

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Benzyl Alcohol (100-51-6)	
BCF - Fish [1]	1.37 l/kg (BCFBAF v3.01, Estimated value)
Partition coefficient n-octanol/water (Log Pow)	1 – 1.1 (Experimental value, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.122 – 1.332 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Caprylic acid (124-07-2)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
BCF - Fish [1]	234 – 288 (Equivalent or similar to OECD 305, 28 day(s), Danio rerio, Flow-through system, Fresh water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.05 (Experimental value)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.46 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Sodium (C14-16) olefin sulfonate (68439-57-6)	
Partition coefficient n-octanol/water (Log Pow)	4.49 Source: Quantitative Structure Activity Relation
Sodium xylenesulphonate (1300-72-7)	
Bioaccumulative potential	Not bioaccumulative.
Partition coefficient n-octanol/water (Log Pow)	-3.12 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.42 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

12.4. Mobility in soil

Ecology - soil

No (test) data on mobility of the substance available.

Disodium metasilicate (6834-92-0)	
Surface tension	No data available in the literature
Ecology - soil	Low potential for adsorption in soil.
Partition coefficient n-octanol/water (Log Pow)	-5.65

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2-Phenoxyethanol (122-99-6)	
Surface tension	70.7 mN/m (20 °C, 1 g/l, EU Method A.5: Surface tension)
Ecology - soil	Highly mobile in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.6 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Partition coefficient n-octanol/water (Log Pow)	1.2 (Experimental value, EU Method A.8: Partition Coefficient, 23 °C)
Monoethanolamine (141-43-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.31 Source: ICSC
Benzyl Alcohol (100-51-6)	
Surface tension	39 mN/m (20 °C)
Ecology - soil	Highly mobile in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.122 - 1.332 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Partition coefficient n-octanol/water (Log Pow)	1 - 1.1 (Experimental value, 20 °C)
Caprylic acid (124-07-2)	
Surface tension	33.7 mN/m (23 °C, 0.6 g/l, EU Method A.5: Surface tension)
Ecology - soil	Highly mobile in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.46 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Partition coefficient n-octanol/water (Log Pow)	3.05 (Experimental value)
Sodium (C14-16) olefin sulfonate (68439-57-6)	
Partition coefficient n-octanol/water (Log Pow)	4.49 Source: Quantitative Structure Activity Relation
Sodium xylenesulphonate (1300-72-7)	
Surface tension	71 mN/m (20 °C, 90 %, EU Method A.5: Surface tension)
Ecology - soil	Highly mobile in soil.

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Sodium xylenesulphonate (1300-72-7)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.42 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	-3.12 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents and or container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

14.1. UN number

UN-No. (TDG) : UN2491

14.2. UN proper shipping name

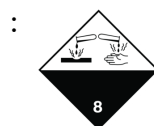
Proper Shipping Name (TDG) : ETHANOLAMINE SOLUTION
Transport document description (TDG) : UN2491 ETHANOLAMINE SOLUTION, 8, III

14.3. Transport hazard class(es)

TDG

Transport hazard class(es) (TDG) : 8

Hazard labels (TDG) : 8



14.4. Packing group

Packing group (TDG) : III

14.5. Environmental hazards

Other information : No supplementary information available.

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according to the Hazardous Products Regulation (February 11, 2015)

14.6. Special precautions for user

TDG

UN-No. (TDG)	: UN2491
Explosive Limit and Limited Quantity Index	: 5 L
Excepted quantities (TDG)	: E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 5 L
Emergency Response Guide (ERG) Number	: 153

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

Disodium metasilicate (6834-92-0)

Listed on the Canadian DSL (Domestic Substances List)

Sodium hydroxide (1310-73-2)

Listed on the Canadian DSL (Domestic Substances List)

2-Phenoxyethanol (122-99-6)

Listed on the Canadian DSL (Domestic Substances List)

Monoethanolamine (141-43-5)

Listed on the Canadian DSL (Domestic Substances List)

Benzyl Alcohol (100-51-6)

Listed on the Canadian DSL (Domestic Substances List)

Caprylic acid (124-07-2)

Listed on the Canadian DSL (Domestic Substances List)

Sodium (C14-16) olefin sulfonate (68439-57-6)

Listed on the Canadian DSL (Domestic Substances List)

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Sodium xylenesulphonate (1300-72-7)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Disodium metasilicate (6834-92-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Sodium hydroxide (1310-73-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

2-Phenoxyethanol (122-99-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Monoethanolamine (141-43-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Benzyl Alcohol (100-51-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Caprylic acid (124-07-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Sodium (C14-16) olefin sulfonate (68439-57-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Sodium xylenesulphonate (1300-72-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

SECTION 16: Other information

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Full text of H-statements:	
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. Project Clean Inc. will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.