GREASE CUTTER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)
Issue date: 12/12/2023 Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product name : GREASE CUTTER
Product code : P300700

1.2. Recommended use and restrictions on use

Recommended use : Kitchen surface & canopy cleaner
Restrictions on use : Food Plant, Industrial and Institutional use only

1.3. Supplier

Project Clean Inc.
12 James St N, Suite 202
Hamilton, Ontario 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	1 888 226 8832 *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 2	H315	Causes skin irritation.
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

Hazard statements (GHS CA) : H315 - Causes skin irritation.
H318 - Causes serious eye damage.

Precautionary statements (GHS CA) : P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves and eye protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
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).
P332+P313 - If skin irritation occurs: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

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
C9-11, Ethoxylated Alcohol	(C9-C11) Alkyl alcohol, ethoxylate	CAS-No.: 68439-46-3	5 – 10
Pentasodium triphosphate	Sodium tripolyphosphate	CAS-No.: 7758-29-4	1 – 5
Tetrasodium ethylenediamine tetraacetate	Ethylenediaminetetraacetic acid tetrasodium salt	CAS-No.: 64-02-8	1 – 5
Monoethanolamine	Monoethanolamine	CAS-No.: 141-43-5	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 : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice or attention.

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 : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact : Irritation.

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

Chronic symptoms : No effects known.

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

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 : Safety glasses (EN 166). Protective goggles (EN 166). Protective clothing (EN 14605 or EN 13034). Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

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. Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

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. 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.

7.2. Conditions for safe storage, including any incompatibilities

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

Incompatible products : Strong acids. Oxidizing agent.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Monoethanolamine (141-43-5)	
USA - OSHA - Occupational Exposure Limits	
Local name	Ethanolamine
OSHA PEL TWA [1]	6 mg/m³
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

Personal protective equipment:
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Hand protection:
Protective gloves

Eye protection:
Safety glasses

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	:	Blue, Clear liquid.
Colour	:	Blue
Odour	:	Citrus scent
Odour threshold	:	No data available
pH	:	11.5 – 12.5
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	:	No data available
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 – 1.05

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	:	Product is not explosive.
Explosive limits	:	No data available

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. Oxidizing agent.
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

GREASE CUTTER	
LD50 oral rat	13643.6 mg/kg
LD50 dermal rat	247920.8 mg/kg

Pentasodium triphosphate (7758-29-4)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 4640 mg/kg bodyweight Animal: rabbit
LC50 Inhalation - Rat	> 0.39 mg/l Animal: rat, Guideline: EPA OPP 81-3 (Acute inhalation toxicity)

Tetrasodium ethylenediamine tetraacetate (64-02-8)	
LD50 oral rat	1780 – 2000 mg/kg (Rat, Male / female, Experimental value, Oral)

Tetrasodium ethylenediamine tetraacetate (64-02-8)	
ATE CA (oral)	1780 mg/kg bodyweight

C9-11, Ethoxylated Alcohol (68439-46-3)	
LD50 oral rat	1378 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit, Dermal)
ATE CA (oral)	1378 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

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye damage.

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

Pentasodium triphosphate (7758-29-4)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

Tetrasodium ethylenediamine tetraacetate (64-02-8)	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.015 mg/l air Animal: rat, Animal sex: female, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight Animal: rat, Animal sex: male

Aspiration hazard : Not classified

Likely routes of exposure : Skin and eyes contact. Inhalation. 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 : Irritation.

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

Chronic symptoms : No effects known.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

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

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

GREASE CUTTER	
Partition coefficient n-octanol/water (Log Pow)	No data available

Pentasodium triphosphate (7758-29-4)	
LC50 - Fish [1]	590 mg/l Source: ECOTOX
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
Partition coefficient n-octanol/water (Log Pow)	-2.71 Source: Ecological Structure Activity Relationships

Tetrasodium ethylenediamine tetraacetate (64-02-8)	
LC50 - Fish [1]	121 mg/l (US EPA, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value, Soft water)
EC50 - Crustacea [1]	625 mg/l (DIN 38412-11, 24 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 100 mg/l (EU Method C.3, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Weight of evidence, Nominal concentration)
EC50 72h - Algae [1]	100 mg/l Source: IUCLID
NOEC chronic fish	≥ 25.7 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '35 d'
NOEC (chronic)	25 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
BCF - Fish [1]	1.1 – 1.8 (28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	-13.17 (Estimated value, KOWWIN)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.495 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
LOEC (chronic)	50 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

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

12.2. Persistence and degradability

GREASE CUTTER

Persistence and degradability — Contains readily biodegradable component(s).

Tetrasodium ethylenediamine tetraacetate (64-02-8)	
Persistence and degradability	Not readily biodegradable in water.
Biochemical oxygen demand (BOD)	< 0.002 g O_2/g substance
Chemical oxygen demand (COD)	0.54 – 0.58 g O_2/g substance

C9-11, Ethoxylated Alcohol (68439-46-3)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

GREASE CUTTER

Bioaccumulative potential — No bioaccumulation data available.

Partition coefficient n-octanol/water (Log Pow) — No data available

Pentasodium triphosphate (7758-29-4)	
Partition coefficient n-octanol/water (Log Pow)	-2.71 Source: Ecological Structure Activity Relationships

Tetrasodium ethylenediamine tetraacetate (64-02-8)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
BCF - Fish [1]	1.1 – 1.8 (28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	-13.17 (Estimated value, KOWWIN)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.495 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

C9-11, Ethoxylated Alcohol (68439-46-3)	
Bioaccumulative potential	No bioaccumulation data available.

Monoethanolamine (141-43-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.31 Source: ICSC

12.4. Mobility in soil

GREASE CUTTER

Ecology - soil	No (test) data on mobility of the substance available.
Partition coefficient n-octanol/water (Log Pow)	No data available

Pentasodium triphosphate (7758-29-4)	
Partition coefficient n-octanol/water (Log Pow)	-2.71 Source: Ecological Structure Activity Relationships

Tetrasodium ethylenediamine tetraacetate (64-02-8)	
Ecology - soil	Low potential for adsorption in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.495 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	-13.17 (Estimated value, KOWWIN)

Monoethanolamine (141-43-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.31 Source: ICSC

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory.

Waste treatment methods : Dispose of contents and or container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available or puncture and dispose of in a sanitary landfill.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (TDG) : Not applicable

14.3. Transport hazard class(es)

TDG
Transport hazard class(es) (TDG) : Not applicable

14.4. Packing group

Packing group (TDG) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

TDG
No data available

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

Pentasodium triphosphate (7758-29-4)
Listed on the Canadian DSL (Domestic Substances List)

Tetrasodium ethylenediamine tetraacetate (64-02-8)
Listed on the Canadian DSL (Domestic Substances List)

C9-11, Ethoxylated Alcohol (68439-46-3)
Listed on the Canadian DSL (Domestic Substances List)

Monoethanolamine (141-43-5)
Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Pentasodium triphosphate (7758-29-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

Tetrasodium ethylenediamine tetraacetate (64-02-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

C9-11, Ethoxylated Alcohol (68439-46-3)
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)

SECTION 16: Other information

Issue date : 12/12/2023

Full text of H-statements:	
H315	Causes skin irritation.
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.