SECTION 1 - IDENTIFICATION

Product identifier/Trade name: GOON POWER DEGREASER

Other means of identification:

Recommended use: Degreaser and multi-purpose cleaner

Restriction on use: For industrial, institutional and food plants use only.

Initial supplier identifier: INO SOLUTIONS
C.P. 1932, MONTRÉAL, QC
1.888.ino.solu (466-7658)

Emergency phone number: (613) 996-6666 (CANUTEC)

SECTION 2 - HAZARDS IDENTIFICATION

2a GHS (Globally Harmonized System) classification

This product is classified as:

Skin Corrosion/Irritation — category 2
Serious eye damage/eye irritation — category 2

2b Label elements

Pictogram

Signal word Warning

Hazard statements
Causes serious eye irritation. Causes skin irritation.

Precautionary statement

Wash hands thoroughly after handling. Wear eye protection. Wear rubber gloves.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and eas do. Continue rinsing. If eye irritation persists, get medical advice.
IF ON SKIN: Wash with plenty water. If skin irritation occurs: get medical advice. Take off contaminate clothing and wash it before reuse.
Signal word:

Warning.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (weight)	GHS CLASSIFICATION
Potassium hydroxide	1310-58-3	0.1-1.0	Skin Corrosion/Irritation Category 1A; Eye damage/Irritation Category 1 Corrosive to metals Category 1. Acute toxicity, oral Category 4.
Alcohol ethoxylate	68991-48-0	1-5	Skin Corrosion/Irritation 1B; Eye damage/Irritation Category 1 .
Disodium Trioxosilicate or disodium oxosilanediolate	6834-92-0	0.1-1.0	Skin Corrosion/Irritation Category 1B; Eye damage/Irritation Category 1 Specific target organ toxicity (single exposure) Category 3. Corrosive to metals Category 1.
Ethyleneglycol monobutyl ether	111-76-2	1-5	Skin Corrosion/Irritation Category 2; Eye damage/Irritation Category 2 Acute toxicity, oral Category 4.

SECTION 4 - FIRST AID MEASURES

4a Description of first aid measures

Eye contact:
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice.

Skin contact:
Wash with plenty water. If skin irritation occurs: get medical advice. Take off contaminated clothing and wash it before reuse.

Inhalation:
No effect expected.

Ingestion:
Rinse mouth. Get immediate medical advice. Never give anything by mouth if the person is unconscious

4b Most important symptoms and effects

The most important known symptoms and effects are described in the labelling (section 2b) and/or in section 11.

4c Immediate medical attention and special treatment needed
No data available.

SECTION 5 - FIRE FIGHTING MEASURES

5a Extinguishing media
Suitable extinguishing media:
Water (if possible avoid powerful sprays), foam, dry chemicals, carbon dioxide. Product itself is not flammable.
Unsuitable extinguishing media:
None known.

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Specific hazards for product
Hazardous combustion products:
Oxides of carbon, nitrogen and other irritating gases.

Special protective equipment and precautions for firefighters
Special fire-fighting procedures/equipment:
During a fire, irritating smoke and fumes may be generated. A self-contained breathing apparatus is required for fire-fighting personnel to protect themselves from irritating products produced during the combustion. Move containers from fire area if it can be done without risk. A stream of water directed into the product generates a lot of foam.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6a Personal precautions, protective equipment and emergency procedures
Personal protection:

Avoid contact with eyes and skin. Use adequate aeration and ventilation. Floor will be slippery in case of a spill. Use appropriate personal protection equipment (see section 8)

6b Methods and materials for containment and cleaning:
Stop the leak. For large spills, pump the product into drums or clean up spills using absorbent material. Resume cleaning by rinsing with water. Caution: floors will be slippery.

6c Environmental precautions:
Product is biodegradable but it is corrosive. Do not let go to the sewers.

SECTION 7 - HANDLING AND STORAGE

7a Precautions for Safe handling:
Avoid contact with eyes and skin. Wear rubber gloves, protective clothing and eye or face protection. Always add product to water. Use cold water to prevent excessive heat generation.

7b Condition for safe storage:
Store in a sealed container in a well-ventilated place. Do not store with food products. Keep from freezing.

7c Special packaging materials: Store in its original container made of polyethylene. Material may be corrosive to certain metals like aluminium among others.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

8a Control parameters

	Ontario Time-weighted Average Limit (TWA)	**Ontario Short-Term Exposure Limit (STEL)**	**Notations**
Potassium hydroxide	C 2 mg/m^3	None established	
Ethyleneglycol monobutyl	20 ppm		

ether			

8b Engineering controls:
Provide adequate ventilation.

8c Individual protection measures
Respiratory Protection:
Not required under normal applications.
Respirator NIOSH/MSHA approved if large spill and lack of ventilation or if formation of mists.
Skin protection and other protective equipment:
Plastic or rubber gloves recommended. Protective clothing. Waterproof boots in case of spills.

Eye / face protection:
Eye protection or face protection.

General hygiene considerations:
KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes and skin. Never eat, drink, or smoke in work areas. Good hygiene is recommended after use of this product.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odour:	Blue liquid, solvent odour.
Odour threshold:	N/Av
pH :	12-13
Melting point and freezing point:	Approximately 0 ^{o}C
Boiling point:	Approximately 100 ^{o}C
Flash point:	None to boil
Evaporation rate (n-BuAc =1):	Approximately 0.4 (water)
Lower flammable limit (% by volume):	N/Av
Upper flammable limit (% by volume):	N/Av.
Explosion data - Sensitivity to mechanical impact:	Not sensitive
Explosion data - Sensitivity to static discharge:	Not sensitive
Vapour pressure (mm Hg)	Approximately 20 (water)
Vapour density:	Approximately 0.6 (water)
Specific gravity or density (water = 1 at 4 ^{o}C):	1.0 g/cm^{3}@ 20 ^{o}C
Solubility in water:	Miscible
Partition coefficient – n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature	Not available
Viscosity:	<100 cps @ 77°F (25 ^{o}C)

SECTION 10 - STABILITY AND REACTIVITY

10a Reactivity:
Not applicable when used as directed. It is incompatible with some materials, see below.

10b Chemical stability :
Stable at room temperature, in normal handling and storage conditions.

10c Possibility of hazardous reactions:
May react with strong acids, strong oxidizing agents and aluminium and other soft metals like zinc. When dissolving in water, heat is generated which could lead to spurting of the corrosive product if agitation is insufficient.

10d Conditions to avoid:
Avoid contact with strong acids, strong oxidizers and soft metals like aluminium, zinc, etc.

10e Incompatible materials
Strong acids, strong oxidizers, soft metals

10f Hazardous decomposition products:
With strong acids or oxidizers: heat, water vapors. With hypochlorites, toxic and irritant chlorine gas. With soft metals like aluminium, flammable and explosive hydrogen gas.

SECTION 11 - TOXICOLOGICAL INFORMATION

Primary entry route(s): Eye and ingestion.

Eye: Extremely corrosive product. May cause burns, irritation, redness, tears, burning sensation.

Skin: May cause sever irritation and burns on skin, necrosis of cutaneous tissues. Ethyleneglycol monobutyl ether may be absorbed through skin in harmful amounts.

Inhalation: Corrosive product. Breathing high concentrations may cause headache, nausea, vomiting, dizziness and burns of respiratory tract.

Ingestion: Corrosive product. Violent pain in throat, mouth, gut, oesophagus and/or stomach perforation, collapse, possible death.

Carcinogenicity: No ingredient listed by IARC as a possible carcinogen. In long-term animal studies with ethylene glycol butyl ether, small but statistically significant increases in tumors were observed in mice but not rats. The effects are not believed to be relevant to humans. If the material is handled in accordance with proper industrial handling procedures, exposures should not pose a carcinogenic risk to man.

Teratogenicity, mutagenicity, other reproductive effects: No applicable information found.

Skin sensitization: Ingredients not sensitizing

Respiratory tract sensitization: Not available

Synergistic materials: Not available

Other important hazards: Not available

Toxicological data: The calculated LD_{50} for this product is greater than 4,000 mg/Kg, oral, rat; our products are not tested on animals. However for corrosive materials, the estimated toxicity is not relevant.

Ingredient	LD_{50} (route, species)	LC_{50} # hours (species)
Potassium hydroxide	333 mg/kg (oral, rat)	Not available
Disodium Trioxosilicate or disodium oxosilanediolate	847 mg/kg (oral, rat)	Not available
Alcohol ethoxylate	>2000 mg/kg (oral, rat) >2000 mg/kg (dermal, rat)	Not available
Ethyleneglycol monobutyl ether	615 mg/kg (oral, rat) >2,000 mg/kg (dermal, rabbit)	Not available

For more details, refer to Section 3.

SECTION 12 - ECOLOGICAL INFORMATION

12a Ecotoxicity :

TOXICITY (Fish)	Results	Exposure time	Method

Potassium hydroxide	Gambusia affinis 80 mg/L	96H	Not available
Disodium Trioxosilicate or disodium oxosilanediolate	Leucisus idus >146 mg/L	96H	Not available
Alcohol ethoxylate	70.1 mg/L	48H	Not available
Ethyleneglycol monobutyl ether	Rainbow trout 1474 mg/L	96H	Not available

TOXICITY (Daphnia)	**Results**	**Exposure time**	**Method**
Potassium hydroxide	Not available		
Disodium Trioxosilicate or disodium oxosilanediolate	EC50 >146 mg/L	24H	Not available
Alcohol ethoxylate	5.3 mg/L	48H	Not available
Ethyleneglycol monobutyl ether	1,550 mg/L	48H	Not available

TOXICITY (Algea)	**Results**	**Exposure time**	**Method**
Potassium hydroxide	Not available		
Disodium Trioxosilicate or disodium oxosilanediolate	Desmodesmus subspicatus 207 mg/L	72H	Not available
Alcohol ethoxylate	Not available		
Ethyleneglycol monobutyl ether	Pseudokirchnerella subcapitata 1,840 mg/L	72H	72H

12b Persistence and degradability: Product is biodegradable.

12c Bioaccumulation potential: Not available
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12d Mobility in soil: There is no test data on this product.

12e Other adverse effect No applicable information found

SECTION 13 - DISPOSAL CONSIDERATIONS

Eliminate according to federal, provincial and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Transportation of Dangerous Goods:

Not regulated

UN number
Proper shipping name:
Class:
Packing group:
Special case:

SECTION 15 - REGULATORY INFORMATION

In Canada

WHMIS information:

Product is regulated according to the *Hazardous Products Regulations* (HPR) in Canada. This product has been classified in accordance with the hazard criteria of the HPR and this SDS contains all the information required by the HPR.

WHMIS Classification: See section 2a.

CEPA information: Ingredients are listed on the DSL inventory.

SECTION 16 - OTHER INFORMATION

Date of latest revision: 2019-06-17

References:

1. Manufacturer'/suppliers' SDS.
2. Occupational Exposure Limits for Ontario Workplaces required under Regulation 833
3. International Agency for Research on Cancer Monographs
4. The European Chemicals Agency (ECHA) website.

Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
cps	Centipoises
DSL	Domestic Substance List
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
LC	Lethal concentration
LD	Lethal Dosage
N/Av	Not available
N/Ap	Not Applicable
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
WHMIS	Workplace Hazardous Materials Information System

End of the SDS