

1- Identification

Product identifier Super Mineral Degreaser
Non-Exempt VOC Content: < 30 % by weight
Recommended usage and limitations
Unequalled cleaning and degreasing solvent without any health hazards for workers for removal of tar, grease and sticky contaminants. Especially formulated to not alter finished surfaces **
Always validate on small portion before using at large scale, this product **will dissolve wax-based finish
Supplier information:
Company name: SuperRemover inc.
Street and number 619, Luxembourg street
City Granby,
State, Zip Code / Province, Postal Code QC J2J 2V2,
Country Canada
Supplier contact for further information
Phone number: (1) 450- 770-2948
Available hours: 8 h 00 to 17h00
Monday to Thursday
Email: Info@superdecapant.com
Registered transportation emergency 24 hours telephone number
1-888-CAN-UTEC (226-8832) / (613) 996-6666

2- Hazard identification

Warning

Classification		Hazard statement
Flammable liquids	Category 4	H227 Combustible liquid.

Precautionary statement

General

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.

P103: Read label before use.

Prevention

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280: Wear protective gloves / clothing / glasses while using

Intervention

P370+ P378: In case of fire: Use :Water mists, ABC powder, Carbon dioxide, Fire extinguishing foam to extinguish. **DO**

NOT USE DIRECT JETS OF WATER

Storage

P403: Store in a well-ventilated place.

Disposal

P502: Refer to manufacturer or supplier for information on recovery or recycling. This product is entirely biodegradable

3- Composition / Information on the ingredients

CAS	Component name or synonyms	%
NO HEALTH HAZARDOUS INGREDIENTS ARE IN THIS FORMULA		

Note : The actual concentration is withheld as a trade secret.

4- First aid

Eye contact	Contact lenses must be removed if present to avoid significant eye damage. This product is a known eye irritant and will likely cause pain. Immediately rinse eyes with plenty of water if pain or irritation occurs. Get medical attention if irritation persists.
Related Hazard:	None specific
Skin contact	Flush skin with plenty of water and remove contaminated clothing. NEVER use hand-sanitizing or any solvent-based solution to clean up contaminated skin
Related Hazard(s):	None specific
Inhalation	Remove person to fresh air if feeling unwell, this product is however not specifically toxic by inhalation
Related Hazard(s):	None specific
Ingestion	DO NOT INDUCE VOMITING, this product is known to induce serious complication such as chemical pneumonia. Rinse mouth to completely remove product's residues. Get medical attention if unusual symptoms occur.
Related Hazard(s):	None specific
Symptoms or delayed effect	Over-exposure to this product can cause respiratory irritation. Repeated exposure of the skin to this product may cause irritation due to the drying of the skin. Ingestion can also cause diarrhea
Immediate required response or specific treatment	Treat symptomatically, This product is not miscible with water. Validate possible contaminants in product (what was being cleaned); may act as a carrier through skin for toxins.
Related Hazard(s):	None related

5- Fire fighting measures

Suitable fire extinguisher	Water mists, ABC powder, Carbon dioxide, Fire extinguishing foam
Unsuitable Fire extinguisher	Water, unless misted
Specific hazards related	Direct jets of water can spread explosively the existing fire
Required specific protection or precaution:	Product will not mix with water and may re-ignite as a result.
Hazardous combustion or partial combustion product:	carbon monoxide

6- Accidental release measures

Flash point of product: > 65oC > 150 F

Product specific precautions and properties:

This product will not dry by itself, it will also render surfaces very slippery.

Spill clean-up procedure:

Use oil-absorbing pads or oil absorbing material to pick up spill. This product does not mix with water.

7- Handling and storage

Safe handling precautions: Put on appropriate personal protective equipment, such as nitrile gloves . Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Remove contaminated clothing and protective equipment before entering eating areas. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapors. Wear appropriate respirator when ventilation is inadequate and product is being misted, such as a **p100 filter equipped PPRE**. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material (generally metal-based) kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source.. Do not reuse container.

Conditions for safe storage:

Store in accordance with local regulations as **a organic liquid**. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials. Separate from **oxidizing materials acids and bases**. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

DO NOT STORE IN PLASTIC CONTAINERS FOR A LONG PERIOD OF TIME; unless specifically designed to handle extremely lipophilic product. This product swells and permeates through HighDensityPolyEthylene HDPE. Un contenant de metal est fortement recommandé

Incompatibilities: Oxidizers Bases and acids

8- Exposure controls/Personal protection

Regulation respecting occupational health and safety, schedule 1

At the moment this Data Sheet is written, no ingredients are directly regulated by the RROHS of Québec. However, we strongly believe that the following product will have a similar effect on health of workers exposed.

From Québec RROHS Schedule 1 : 8H TWAEV, STEL, IDLH, CEILING and notations		Time-Weighted Average Exposure Value (TWA)		Short-Term Exposure Value (STEL)		Immediate Danger to Life or Health (IDLH)	
CAS #	Hazardous component	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
68956-68-3	Vegetable oil mists (except castor, cashew and other similar irritant oils)	N.A.	10	N.A.	N.A.	N.A.	N.A.

Required Engineering Controls and respiratory protection measures: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Possible related exposure will be directly due to mist formation of product. **P100 Filter equipped PPRE** are required in these conditions.

Individual protection measures: Additional to the adequate working clothes, safety glasses must be worn at all time while handling this chemical. Because of the product's degreasing ability it is highly recommended to wear chemical resistant gloves that permits the completion of the work without premature rupture of the gloves.

9- Physical and chemical properties

Physical state	Liquid
Appearance	Free-flowing
Color	Clear
Odor	Fruity
Melting point	< -25 oC
Boiling point	>180 oC
Flammability properties (solid and gases)	Not-applicable, liquid.
Lower Explosivity limit % (LEL)	N/A %
Higher Explosivity Limit % (HEL)	N/A %
Flash point	>65 oC
Auto-ignition point	450 oC
Decomposition temperature	ignites
pH	Neutral
Dynamic viscosity	N/A Pa S
Kinematic viscosity	N/A mm ² /s
Water Solubility	Non-Miscible
Partition coefficient (Log KOW)	Not-applicable, mixture
Vapour pressure	<1 Kpa
	at: 20 oC
Relative density	0.92 g/mL
Relative vapour density	> 1
Particulate properties (if applicable)	Not-applicable

10- Stability and reactivity

Reactivity: May generate formaldehyde if in contact with strong acid

Chemical stability: The product is chemically stable under normal conditions.

Possible hazardous reactions: Danger of explosion when heated or if mixed with incompatible substances (acid, bases and oxidizers).

Conditions to avoid: Keep away from ignition sources and from incompatible products such as acids, bases and oxidizers.

Incompatible materials: This product does not readily attack materials, however, it permeated through plastics, even HDPE over a long period of time

Hazardous decomposition products: Carbon monoxide and dioxide.

11- Toxicological information

CAS #	Hazardous Component	%	LD ₅₀ Oral Rat	LD ₅₀ Dermal Rabbit	LC ₅₀ 4h Gas Rat	LC ₄₀ 4h Vapours Rat	LC ₅₀ 4h Dusts / mists
			mg/Kg	mg/Kg	ppmV	mg/L	mg/L
		ETA _{product}	> 4000	> 4000	--	> 20	> 10

Probable exposure route

Major(s)

Oral (gastrointestinal tract)	X
Dermal	X
Respiratory tract	

Minor(s)

Oral (gastrointestinal tract)	
Dermal	
Respiratory tract	X (mists)

Symptoms and effects (acute or delayed)

Repeated exposure of the skin to this product may cause irritation due to the drying of the skin. Ingestion can also cause diarrhea

Special precautions

This product can act as a carrier for skin absorptions of toxins. Some toxins that are not known to be absorbed through skin can readily be absorbed by the use of this carrier.

12- Ecological information

Components classified as hazardous for the environment category 1 or 2

CAS #	Hazardous component	Classification 1	Classification 2
No component belonging to these categories in this formula			

Persistent, bioaccumulable or showing terrestrial toxicity components:

CAS #	Hazardous component	Persistent	Bioaccumulable	Terrestrial toxicity
No component belonging to these categories in this formula				

For confidentiality reasons, and also because of innocuity of product, the complete list of ingredients is not shown in current section. However, the data below is shown for the most hazardous component and the most severe results for each category.

Acute aquatic toxicity: , Oryzias latipes : LC50 (96H) 2.9-4.8 mg/ L

Chronic aquatic toxicity: Invertebrates: Daphnia magna, CL50 (21 days), 3.4- 5.4 mg/L

Biodegradability of mixture: Readily biodegradable, > 86% in 28 days

Soil mobility: expected to be high.

13- Disposal considerations

Dispose residues as **Non-water-miscible organic waste** following federal, provincial and local regulations. Dispose of unused content through a specialised waste management companies.

This product has very similar properties to vegetable oil in terms of waste management.

14- Transport information

	TDG	DOT	IMDG	IATA
UN Number	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Proper Shipping name				
Hazard class				
Packaging group				

Marine pollutant : No

Limited quantity exemption maximum capacity per container : Not applicable

15- Regulatory information

The manufacturer hereby declares that all components are listed in the Canadian Domestic Substance List (DSL) and on the American TSCA list. No particular restrictions apply to none of the components

VOC % : Under 30% following Canadian and American Regulation

CAS No.	Component	%	VOC	Domestic substance list	Non-Domestic substance list	TSCA
	Non hazardous to the health mixture		No or Exempt	Yes	No	Yes

16- Other information

Date : 18/02/2025

Version : 3

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Additional information exceeding regulatory requirements are added to further help proper handling of the product. Failure to follow hereby proper care involving the given information can lead to injury and even death. The manufacturer assumes no responsibility for personal and/or material damage, lost or injury of whichever nature caused or which may occur following the wrongful, inappropriate, negligent or abusive use or handling of the product or from not having read the herein contained information.

Reader must also bear in mind that science is constantly evolving and that new information may emerge after the production of this safety data sheet. It is responsibility of the user to make sure he has updated information in hand by verifying dates and versions of the safety data sheets.