

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

OSTREM CHEMICAL CO. LTD.
2310 - 80 AVENUE
EDMONTON AB T6P 1N2

Phone: 780-440-1911 or 780-446-0177
In Case of Emergency Only:
phone CANUTEC at (613) 996-6666

Product name: VEGESOL

Code: I308

Other name:

Distributed by:

Product use: fully biodegradable industrial degreaser

Date completed: April 1, 2014

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	%W/W	CAS number
methyl esters from vegetable origin	60 - 100	Not Reportable

3. HAZARDS IDENTIFICATION

May cause temporary discomfort and redness to skin and eyes.

4. FIRST AID MEASURES

Inhalation: No harmful effects expected with normal use. Avoid inhalation of mist.

Ingestion: Induce vomiting only on the direct advice of a poison control centre. Get medical attention.

Eye contact: Flush with plenty of water for 15 minutes. Get medical attention if irritation persists.

Skin contact: Remove contaminated clothing. Wash with soap and water.

5. FIRE - FIGHTING MEASURES

Flash point (test method): >94°C (closed cup) = **non-combustible**

Flammable limits (%): Not available

Lower:

Upper:

Fire extinguishing substances: dry chemical, carbon dioxide, water spray (fog) or foam

Autoignition temperatures: Not available

Hazardous combustion products: May liberate oxides of carbon, nitrogen and sulphur.

Explosion data:

Sensitivity to mechanical impact: Not available

Sensitivity to static discharge: Not available

Special firefighting procedures: As for surrounding fire. Fire fighters should wear full protective clothing and self contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate protective equipment.

Environmental precautions: Prevent from entering sewers, waterways or low areas.

Methods for cleaning up: Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

7. HANDLING AND STORAGE

Handling: Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Storage: Store in a cool, dry area. Keep container tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Special ventilation requirements not normally necessary.
Respiratory protection: Not normally necessary. An N95 NIOSH respirator may be worn.
Eye protection: Wear safety glasses.
Other protection: Wear protective clothing as necessary to prevent skin contact.

Exposure limits:

INGREDIENT	ACGIH	OSHA	Other
Not Applicable			

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid (at 22°C)	Solubility in water: Partially Soluble
Boiling point: >100°C	Vapour pressure: < 1 mmHg (at 22°C)
Vapour density: Not available	Evaporation rate: Very Slow
Freezing point: 0°C	Odour threshold: Not available
Sp. Gravity: 0.917	pH: 6.5 - 7.5
Appearance & odour:	Semi-viscous clear liquid with no artificial fragrances

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions of instability: Freezing will cause reversible separation
Incompatibility: () Water (X) Oxidizers () Acid (X) Base () Other
Conditions of reactivity: Reacts with strong base to produce methanol.
Hazardous decomposition products: Does not decompose at temperatures up to 149°C.
Decomposition may liberate oxides of carbon, nitrogen and sulphur.

11. TOXICOLOGICAL PROPERTIES

POTENTIAL ACUTE HEALTH EFFECTS

Inhalation: No known significant effects.
Ingestion: Swallowing small amounts of this material is not likely to cause harmful effects. Large amounts may cause stomach and intestinal irritation, abdominal pain and vomiting.
Eye contact: May cause temporary discomfort and redness.
Skin contact: May cause skin irritation.
Skin absorption: Not applicable

POTENTIAL CHRONIC HEALTH EFFECTS:

Inhalation: No known significant effects.
Ingestion: Swallowing small amounts of this material is not likely to cause harmful effects. Large amounts may cause stomach and intestinal irritation, abdominal pain and vomiting.
Eye contact: Not available
Skin contact: Not available
Skin absorption: Not available
Sensitization of product: Not available
Carcinogenicity: IARC (1, 2A or 2B) No known significant effects.
ACGIH: (A1, A2 or A3) No known significant effects.
Reproductive toxicity: No known significant effects.
Teratogenicity: No known significant effects.
Mutagenicity: No known significant effects.
Synergistic product: Not available

HAZARDOUS INGREDIENTS

None

CAS NO. TOXICITY DATA

Note: The theoretical LD₅₀ (oral, rat) for methyl esters is >20 grams / kg of body weight.

12. ECOLOGICAL INFORMATION

Ecotoxicological information: The theoretical LC₅₀ (96h, Bluegills) is >400 mg/L.

Other information:

13. DISPOSAL CONSIDERATIONS

Waste disposal: Disposal of all waste must be done according to local, provincial and federal regulations.

14. TRANSPORT INFORMATION

TDG classification: VEGESOL is not regulated for transport.

15. REGULATORY INFORMATION

WHMIS: D2B - Toxic Material Causing Other Chronic Effects
(skin and eye irritant, toxic)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. PREPARATION INFORMATION

Prepared by: Technical Services Department, Ostrem Chemical Co. Ltd., Ph: (780) 440-1911