



ENVIROSAFE CHEMICALS CANADA

MATERIAL SAFETY DATA SHEET

1. Identification of the Substance/Preparation and the Company/Undertaking

Substance or preparation trade name: Adherex Road Dust Suppressant Industrial Grade Canola Oil
Unique reference numbers(s): Mixture of surfactants, soap stock, crude canola oil
Company/undertaking name & address: Envirosafe Chemicals Canada
Box 1792 – 10011 Thatcher Avenue North Battleford SK S9A3W8
Telephone: 306-446-0505

2. Composition

Standard Specifications:

	Type 1 <u>Crude Super Degummed</u>
Free fatty acid (as oleic acid), Maximum % by mass.....	1.0
Moisture and impurities, maximum % by mass.....	0.3
Flash point (typical), Minimum °C.....	150
Chlorophyll content, maximum Parts per million '.....	30
Neutral oil (typical), minimum% by mass.....	98.5
Loss (typical), maximum % by mass.....	1.5
Phosphorus content, Maximum parts per million.....	50
Erucic acid, maximum % by mass.....	2.0
Sulfur (typical), parts per million.....	10

This product contains no hazardous ingredients as defined under the Canadian Hazardous Products Act S.C. 1987, C.30 (Part 1)

Method of Analysis:

Analytical methods shall be those of the American Oil Chemists' Society, except as otherwise specified.

Analysis

Free fatty Acid
Moisture and volatile matter and impurities

Flash Point
Chlorophyll content
Neutral oil, minimum
Loss, maximum
Phosphorus content
Erucic Acid

Sulphur

Referee Method

AOCS Ca 5A-40
AOCS Ca 2b-38 or Ca 2c-25
or Ca 2d-25 and Ca 3a-46
AOCS Cc 9b-55
AOCS Cc 13d-55
AOCS Ca 9f-57
AOCS Ca 9f-57
AOCS Ca 12-55
Association of Official Analytical Chemists
996.06; 17th Edition
Daun and Hougen JAOCS 53:169-171 (1976)



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3. Hazards Identification

2 – Butoxyethanol 10-30 111-76-2 320mg/kg Oral Rat 450ppm/4hr Rat
Nonylphenoxypoly Ethanol 10-30 9016-45-9 3000mg/kg Oral Rat Not Available

Inhalation: Negligible unless handling produces excessive mist or vapors. Excessive inhalation may irritate the mucous membranes. Should mist or vapour exposure exceed 8-hour TWA PEL of 4mg/m³, wear a NIOSH/MSHA approved respirator as required.

Eye Contact: May cause irritation. Flush with water or saline solution followed by appropriate medical care as needed.

Skin Contact: Not classified as a primary skin irritant or corrosive material. Prolonged or repeated contact is not likely to cause significant skin irritation. Sensitive individuals may experience irritation after long exposure to skin.

Ingestion: NOT FOR CONSUMPTION Ingestion incidental to industrial exposure is not anticipated to be hazardous.

4. First aid measures

Inhalation: In all cases of doubt or when symptoms persist, seek medical attention. No adverse effects anticipated by exposure incidental to proper industrial handling.

Eye Contact: Flush with water for at least 15 minutes. If irritation develops or persists, seek medical attention. May cause slight temporary irritation. Corneal injury is unlikely.

Skin Contact: Rinse skin with water. If irritation develops or persists, seek medical attention. Single prolonged exposure is not likely to result in material being absorbed through skin in harmful amounts.

Ingestion: In all cases of doubt or when symptoms persist, seek medical attention. But single dose oral toxicity is low as per the toxicological information described previously.

5. Fire fighting measures

Flash Point: 390°F/199°C

Auto Ignition: 698°F/370°C

Flammable limits by volume: N/A

Fire fighting procedures and precautions: **DO NOT USE WATER** Use dry chemical, foam or carbon dioxide. Water stream can splash burning liquid and spread fire but may be used to keep fire exposed containers cool. Firefighters should wear self-contained breathing apparatus if at risk of exposure to vapour levels above the previously defined maximum or products of combustion.

Unusual fire and explosion hazards: Some porous materials such as rags, paper, insulation or clay when wetted with this product may undergo spontaneous combustion. Keep such wetted materials well ventilated to prevent possible heat or vapour build-up.



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6. Accidental release measures

Remove sources of ignition and contain the spill to the smallest area possible. Stop leak if possible. Pick up small spills with absorbent materials such as paper towels, oil absorbent granular products, sand or dirt. Wash hard surfaces with a safety solvent or detergent to remove remaining oil film or a slippery surface will result. Recover large spills for salvage or disposal. Follow municipal, provincial and federal disposal regulations.

7. Handling and storage

Store in cool, dry, well-ventilated area. To maintain product quality, avoid excessive heat in storage and keep away from oxidizing agents soiled rags or absorbent materials should not be kept under high temperature or closed conditions in the presence of oxygen as spontaneous combustion may occur.

8. Exposure Controls

Engineering measures: Ensure eye wash stations and safety showers are proximal to the workstation location.

Respiratory Protection: Respiratory equipment not required under normal conditions. Provide exhaust ventilation or other engineering controls to keep airborne concentrations of vapors' below previously described limits.

Protective Clothing: Eyes: Eye protection such as goggles, glasses or a face shield should be worn when handling this product.

Hands: Protective gloves are not required but may be worn to prevent skin dryness or irritation.

Clothing: Protective clothing is not required but may be worn in case of splashed and spills. Launder contaminated clothing before reuse.

9. Physical and chemical properties

Appearance and Odour: Dark brown clear liquid with minor, bland odour.

Specific Gravity: 0.92 g/mL at 19 - 25°C

Boiling point: 560°F/295°C

Melting point: -5°C

Evaporation rate: n/a

Vapour pressure: n/a

Vapour density: n/a

Viscosity: 54 cSt @ 38°C

Solubility in water: Immiscible

10. Stability and reactivity

This product is generally classified as stable and hazardous polymerization should not occur. Avoid strong oxidizing agents. Hazardous thermal decomposition products include CO and CO₂.



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11. Toxicological information

Information derived from a literature search indicates that ingredients in this product have low chronic toxicities. The LC50 for bluegill over 24 hours is 276.5 ppm and the LC50 for rainbow trout over 96 hours is 21 ppm.

12. Ecological information

The US EPA states that the ecological effects data for terrestrial and aquatic animals and non-target plants were waived due to the low toxicity of the ingredients used in this product and their rapid degradation in the environment.

13 Disposal Considerations

Do not re-use containers. Dispose in accordance with all local, state, provincial and federal regulations.

14. Transport information

UN HAZARD CLASS: N/A
IDENTIFICATION NUMBER: N/A
SHIPPING CLASSIFICATION: N/A

15. Regulatory information

OSHA Status:

This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, thermal processing and decomposition fumes from this product may be hazardous as noted in previous sections.

Canadian Hazardous Products Act:

This product contains no hazardous ingredients as defined under the Canadian Hazardous Products Act S.C. 1987, C.30 (Part 1).

SARA Title III (Superfund Amendments and Reauthorization Act):

Section 312 Extremely Hazardous Substances: None

Section 311/312 Hazard categories: Non-Hazardous

Section 313 Toxic Chemicals: None

WHMIS Rating: Not a WHMIS controlled material.

16. Other Information

Read and follow all label directions and precautions before using. **KEEP OUT OF REACH OF CHILDREN.** The information presented herein has been compiled from sources believed to be dependable and is believed to be factual and accurate to the best of the companies knowledge. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of its use. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use.

Crude Degummed Canola Oil is not to be consumed. Industrial Use Only. Canola Crude Oil shall be the oil produced from the low erucic acid oil-bearing seeds of varieties.

THIS IS NOT A FOOD GRADE CANOLA OIL.



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17. Additional Information

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

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18. PREPARATION DATE OF MSDS

PREPARED BY: ENVIROSAFE TECHNICAL DEPT. DATE: February 1, 2016

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