



SAFETY DATA SHEET

ENVIROTECH ULV DILUENT OIL

Effective Date: 03 March 2021

v.02

Page 1 of 7

SECTION 1. Identification of the Substance/Mixture and of the Company

1.1 Product Identifier

Formulation Identifier: ENVIROTECH ULV DILUENT OIL

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Relevant identified uses: Diluent, for use with pesticides

1.2 Details of the Supplier

Clarke Mosquito Control Products, Inc.
675 Sidwell Court
St. Charles, IL 60174 U.S.A.
+1 (630) 894-2000
Email: Clarke@clarke.com

1.3 Emergency Telephone Number

Poison Control Center (medical emergency): 1-800-214-7753
INFOTRAC (Transportation/Spill Emergency): 1-800-535-5053

SECTION 2. Hazards identification

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

2.1 Classification of the Substance or Mixture

Aspiration Hazard – Category 1

Pictogram:



Signal Word: Danger

Hazard Statements: May be fatal if swallowed and enters airways if swallowed

Precautionary Statements:

RESPONSE	If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting.
STORAGE	Store locked up
DISPOSAL	Dispose of contents and container in accordance with all local/regional/national and international regulations.

Supplemental Label Elements Avoid contact with skin and clothing. Wash thoroughly after handling

2.2 Other Hazards Not Classifiable Under OSHA 2012 HCS

Defatting to the skin. Prolonged or repeated contact may dry skin and cause irritation.

SECTION 3. Composition/Information on Ingredients

Chemical name: White mineral oil (petroleum)
Other synonyms: White mineral oil, petroleum; white spirits; mineral oil; paraffin oil; paraffinum liquidum

3.1 Components



SAFETY DATA SHEET

ENVIROTECH ULV DILUENT OIL

Effective Date: 03 March 2021

v.02

Page 2 of 7

Substance Name	CAS No.	Concentration % w/w
White Mineral Oil	8042-47-5	100%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4. First Aid Measures

4.1 Description of First Aid Measures

- Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth to mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie belt or waistband.
- Skin contact:** Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion:** Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures, if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. DO NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband

4.2 Most Important Symptoms and Effects, Both Acute and Delayed.

- Eye Contact:** No known significant effects or critical hazards.
- Inhalation:** No known significant effects or critical hazards.
- Skin contact:** Defatting to the skin. May cause skin dryness and irritation. Overexposure symptoms may include: irritation, dryness, cracking.
- Ingestion:** May be fatal if swallowed and enters airways. Overexposure symptoms may include: nausea or vomiting.

4.3 Indication of Immediate Medical Attention and Special Treatment

- Notes to physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments:** Treat symptomatically and supportively.
- Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

SECTION 5. Fire-Fighting Measures

5.1 Extinguishing Media

- Suitable Extinguishing Media:** Use dry chemical, carbon dioxide, alcohol-resistant foam or water spray (fog).
- Unsuitable Extinguishing Media:** Do not use water jet.



SAFETY DATA SHEET

ENVIROTECH ULV DILUENT OIL

Effective Date: 03 March 2021

v.02

Page 3 of 7

5.2 Special Hazards Arising From the Substance or Mixture

Specific Hazards: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal

Decomposition products: Decomposition products may include: carbon dioxide, carbon monoxide

5.3 Special Protective Equipment and Precautions for Fire-Fighters

Special protective actions Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training

Special Protective equipment: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

SECTION 6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel"

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.2 Methods and Material for Containment and Cleaning Up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7. Handling and Storage

7.1 Precautions for Safe Handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on occupational hygiene: Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and



SAFETY DATA SHEET

ENVIROTECH ULV DILUENT OIL

Effective Date: 03 March 2021

v.02

Page 4 of 7

smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. 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..

SECTION 8. Exposure Controls / Personal Protection

8.1 Control Parameters

Ingredient name	Exposure limits	
White mineral oil (petroleum)	ACGIH TLV (United States, 6/2013) OSHA PEL (United States, 2/2013)	TWA: 5mg/m ³ 8 hours, form: Inhalable fraction TWA: 5mg/m ³ 8 hours.

8.2 Environmental Exposure controls

Engineering Controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

8.3 Individual Protection Measures, such as Personal Protection Equipment:

- Hygiene measures: Wash hands, Forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location
- Eye/Face Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side shields.
- Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties.
- Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved.
- Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.
- Respiratory Protection: Use a properly fitted, air-purifying or supplied-air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

SECTION 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical state:	Liquid [Viscous Liquid]
Color:	Colorless
Odor:	Mild Hydrocarbon
Odor Threshold:	Not Available
pH:	Not Available
Melting Point:	-60 to -9 °C



SAFETY DATA SHEET

ENVIROTECH ULV DILUENT OIL

Effective Date: 03 March 2021

v.02

Page 5 of 7

Freezing Point:	Not Applicable
Initial Boiling Point:	218 to 800 °C
Flash Point:	Open cup: 184 °C [Cleveland]
Evaporation Rate:	Not available
Flammability:	Not Available
Explosion limits [U/L]:	Not Available
Vapor Pressure:	0.011 kPa (<0.08 mmHg) [room temperature]
Vapor Density:	Not Available
Relative Density:	0.85
Specific Gravity:	(H ₂ O=1): 0.84
Solubility:	Insoluble in the following materials: cold water.
Partition Coefficient:	> 6
Auto-Ignition Temperature:	325 to 355 °C
Viscosity:	Kinematic (40 °C): 0.1261 cm ² /s (12.6 cSt)
Decomposition Temperature:	Not Available
Explosive Properties:	Not Available
Oxidizing Properties:	Not Available

SECTION 10. Stability and Reactivity

10.1 Reactivity

Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS Definition(s)

10.2 Chemical Stability

This product is stable

10.3 Possibility of Hazardous Reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

No specific data

10.5 Incompatible materials

Strong oxidizers. Keep away from extreme heat, sparks, open flames and strong oxidizing components,

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous reactions will not occur.

SECTION 11. Toxicological information

Acute toxicity

product/ingredient name	Result	Species	Dose	Exposure
White mineral oil (petroleum)	LC50 Inhalation (dusts and mists)	Rat	>5 mg/l	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

11.1 Information on Likely Routes of Exposure

Routes of entry anticipated: Oral, Dermal, Inhalation

11.2 Information on Toxicological Effects



SAFETY DATA SHEET

ENVIROTECH ULV DILUENT OIL

Effective Date: 03 March 2021

v.02

Page 6 of 7

White mineral oil (petroleum): Low viscosity and High viscosity White Mineral Oils:

DRAIZE EYE, Acute: non-irritating [Rabbit]

DRAIZE DERMAL, Acute: Non-sensitizing [Rabbit]

BUEHLER, Acute: Non-sensitizing [Guinea Pig]

28-Day DERMAL, Sub-Chronic: Non irritating [Rabbit]

104 week DERMAL, Chronic: No skin tumors at site of application [Mouse]

MUTAGENICITY:

Modified Ames Assay: Negative [Salmonella typhimurium]

In-vitro Lymphoma Assay: Negative or no toxicity [Mouse]

Lifetime mouse skin painting studies indicated that white mineral oils are not mutagenic or carcinogenic. Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current work place exposure levels produced no significant toxicological effects. In long term studies (up to two years) no carcinogenic effects have been reported in any animal species tested.

STOT – Single exposure Not available

STOT – Repeated exposure Prolonged or repeated skin contact can defat the skin and lead to irritation, cracking, and/or dermatitis

Aspiration hazard: May be fatal if swallowed and enters airways.

SECTION 12. Ecological Information

12.1 Toxicity

Product/Ingredient name	Result	Species	Exposure
White mineral oil (petroleum)	LC50 > 100 mg/l	Daphnia	48 hours
	LC50 > 10 000 mg/l	Fish	96 hours

12.1 Persistence and Degradability

Degradability: No data available

Bioaccumulative Potential: Log Pow: > 6 (White mineral oil)

12.2 Mobility in soil

Soil/water partition coefficient (Koc): Not available

SECTION 13. Disposal Considerations

13.1 Waste Treatment and Disposal methods

The generation of waste should be avoided or minimized whenever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14. Transport Information

14.1 DOT (US)

Not regulated (Bulk and Non-Bulk Quantities)



SAFETY DATA SHEET

ENVIROTECH ULV DILUENT OIL

Effective Date: 03 March 2021

v.02

Page 7 of 7

14.2 IMDG (Vessel)

Not regulated

14.3 ICAO/IATA (Air transport)

Not available

SECTION 15. Regulatory Information

US Federal regulations: United States Inventory (TSCA 8a): all components are listed or exempted.

This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

SARA TITLE III CLASSIFICATION

Section 302/304: None

Section 311/312: Immediate (acute) health hazard

Section 313: None

CERCLA RQ: None

CA PROPOSITION 65: Not listed

STATE RIGHT-TO-KNOW : National, state, provincial or local emergency planning, community right-to-know or other laws, regulations or ordinances may be applicable--consult applicable national, state, provincial or local laws.

International regulations:

Australia inventory (AISC):	All components are listed or exempted.
China Inventory (IECSC):	All components are listed or exempted.
Japan Inventory:	Not determined
Korea inventory:	All components are listed or exempted.
Malaysia Inventory (EHS Register):	Not determined
New Zealand Inventory of Chemicals (NZIoC):	All components are listed or exempted.
Philippines inventory (PICCS):	All components are listed or exempted.
Taiwan Inventory (CSNN):	Not determined
Canada Inventory:	All components are listed or exempted.
EU Inventory:	All components are listed or exempted.
WHMIS (Canada):	Not controlled under WHMIS (Canada)

SECTION 16. Other Information

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources we believe to be reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared as is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

End of document