



SAFETY DATA SHEET

ULV Flushing Solution

Effective Date: 23 April 2021

v.04

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

1.1 Product Identifier

Formulation Identifier: ULV Flushing Solution

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

Relevant identified uses: Solvent, Flushing solvent

Uses advised against: N/A

1.3 Details of the Supplier of the Safety Data Sheet

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

1.4 Emergency Telephone Number

USA 24-Hour Medical Emergency: POISON CONTROL Toll-free +1 (800) 214-7753

USA 24-Hour Transportation Emergency: INFOTRAC +1 (800) 535-5053

Australia 24-Hour Poisons Information Hotline 13 1126

SECTION 2. Hazards Identification

This material is hazardous according to regulatory guidelines (see SDS Section 15)

2.1 Classification of Substance or Mixture

GHS classification Rev. 7; 2017 (Safe Work Australia 2020):

Aspiration toxicant: Category 1

Pictogram:



Signal Word: DANGER

Hazard statements:

H304- May be fatal if swallowed and enters airways

Precautionary Statements:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor

P331 Do NOT induce vomiting

P405 Store locked up

P501 Dispose of contents/ container in accordance with local/regional/national regulations

2.2 Other Hazards Which Do Not Result in Classification

Health Hazards: Prolonged or repeated contact may dry skin and cause irritation



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SECTION 3. Composition/Information on Ingredients

3.1 Components

Substance Name	CAS No.	Concentration % w/w
Distillates (petroleum), hydrotreated light	64742-47-8	100

SECTION 4. First Aid Measures

4.1 Description of First Aid Measures

General advice: If symptoms develop or persist, or for treatment advice, call a poison control center or doctor.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present and if easy to do, after the first 5 minutes then continue rinsing.

If on skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

If swallowed: IMMEDIATELY call a poison control center or doctor. Do NOT induce vomiting unless told to do so by a poison control center or doctor. Rinse mouth with water. Have person sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person.

If inhaled: Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration; if by mouth-to-mouth use rescuer protection (pocket mask, etc.).

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

See section 2.1 and 11.1

4.3 Indication of Immediate Medical Attention and Special Treatment

Contains petroleum distillate. Aspiration may cause pulmonary edema and pneumonitis. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. Keep victim under observation. Symptoms may be delayed. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

SECTION 5. Fire-Fighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media: Carbon Dioxide (CO₂), Dry Chemical, Foam

Unsuitable Extinguishing Media: Do not use water jet

5.2 Special Hazards Arising from the Substance or Mixture

Specific Hazards: In a fire or if heated, a pressure increase can occur and the container may burst. Under fire conditions some components may decompose. Combustion products may include CO.

5.3 Special Protective Equipment and Precautions for Fire-Fighters

Protection Against Fire: Wear positive pressure, self-contained breathing apparatus and protective firefighting clothing (includes fire-fighting helmet, coat, pants, boots, and gloves). Firefighters should consider protective equipment indicated in Section 8.

Special Procedures: Move container from fire area if it can be done without risk. Do not scatter spilled material with high-pressure streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.



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SECTION 6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

General Precautions: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spills cannot be contained. For personal protection, see Section 8 of the SDS.

Environmental Precautions: Prevent product from entering into soil, waterways, drains and sewers. Collect and dispose of this material and its container in accordance with national and regional regulations. If the product has contaminated the environment (soil, waterways, drains, sewers or air), inform the appropriate authorities.

6.2 Methods and Material for Containment and Cleaning Up

Methods for containment: Prevent further leakage of spillage if safe to do so. Move containers from spill area.

Small spill: Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Dispose of via a licensed waste disposal contractor.

Large Spill: Prevent entry into sewers, water courses, basements or confined areas. Dam up and soak up with inert absorbent material such as sand, earth, vermiculite or diatomaceous earth. Pick up and transfer to properly labeled containers. 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. Take prudent precautions to avoid contact with skin, eyes, and clothing. Avoid breathing vapor or mist. Store in the original container. Keep container tightly closed. Do not contaminate water, food or feedstuffs, by storage, handling, or by disposal.

Hygiene Measures: 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 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

Storage Conditions: Store locked up. Store in original container in a cool and well-ventilated area. Keep container tightly closed. Keep away from heat and sources of ignition. Store away from incompatible materials. Store away from food and pet food. Keep out of reach of children.

SECTION 8. Exposure Controls / Personal Protection

These precautions are suggested for conditions where the potential for exposure exists. Emergency conditions may require additional precautions.

8.1 Control Parameters

Substance Name	Exposure Limits
Distillates (petroleum), hydrotreated light	ACGIH TLV (United States, 4/2014). Absorbed through skin. TWA: 200 mg/m ³ , (as total hydrocarbon vapor) 8 hours



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8.2 Exposure controls

Engineering Controls: Use with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

8.3 Individual Protection Measures, such as Personal Protection Equipment

Eye Protection: Safety glasses with side shield or Goggles. Take prudent precautions to avoid contact with eyes.

Skin Protection: Wear a long-sleeved shirt and long pants, shoes and socks. Wash thoroughly after handling chemical products, before eating, drinking, smoking and using the toilet. Remove contaminated clothing and wash before reuse.

Hand Protection: It is good industrial hygiene practice to minimize skin contact. Wear suitable protective chemical resistant gloves such as latex, nitrile, or neoprene.

Respiratory Protection: None required. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

SECTION 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	liquid
Color:	colorless
Odor:	Mild hydrocarbon
Odor Threshold:	Not Available
pH:	Not Available
Melting Point:	-49°C (-56.2°F)
Boiling Point:	223.90 to 300°C (435 to 572°F)
Flash Point:	95.56°C (204°F), Pensky-Martens. Product does not sustain combustion
Flammability Limits:	Lower: 0.6%, Upper: 5.5%
Vapor Pressure:	0.031 to 0.06 kPa (0.23 to 0.45 mm Hg) at room temperature
Vapor Density:	4.5, Air=1
Density:	0.825
Solubility:	In soluble in hot or cold water
Solubility in Water:	1.5 g/L
Partition Coefficient:	Not Available
Auto-Ignition Temperature:	>220°C (>428°F)
Viscosity:	<0.1 cm ² /s (<10cST) at 40°C (104°F)
Decomposition Temperature:	Not Available
Explosive Properties:	Not Available
Oxidizing Properties:	Not Available

SECTION 10. Stability and Reactivity

10.1 Chemical Stability

Stable under normal conditions



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10.2 Possibility of Hazardous Reactions

None known to occur under normal conditions

10.3 Conditions to avoid

Avoid temperatures that exceed the flash point and contact with incompatible materials

10.4 Incompatible materials

Strong oxidizing agents

10.5 Hazardous decomposition products

No hazardous decomposition product should be produced under normal conditions

SECTION 11. Toxicological information

11.1 Information on Toxicological Effects

Acute Toxicity/Effects

Oral, Rat LD₅₀ > 5000 mg/kg bw

Dermal, Rabbit LD₅₀ > 2000 mg/kg bw

Inhalation LC₅₀ >20 mg/L

Chronic Toxicity/Effects

Germ Cell Mutagenicity No data available

Carcinogenicity No data available

Reproductive Effects: No data available

STOT – Repeated exposure No data available

SECTION 12. Ecological Information

12.1 Ecotoxicity

This product is not classified as environmentally hazardous. However, this does not exclude that the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Toxicity to Fish: 96-hr Acute LC₅₀ 2.9 mg/L (rainbow trout)

Persistence/degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

SECTION 13. Disposal Considerations

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

Waste Treatment and Disposal methods

Disposal Recommendations: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Empty containers or liners may retain some product residues. Avoid contact with soil, waterways, drains and sewers. Dispose of contents/ container in accordance with local/ regional/ national/ international regulations.



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SECTION 14. Transport Information

DOT (US): Not Regulated

IMDG (Vessel): Not Regulated

ICAO/IATA (Air transport): Not Regulated

SECTION 15. Regulatory Information

United States Regulatory Information

OSHA HAZARD COMMUNICATION STANDARD: This material is considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

SARA TITLE III CLASSIFICATION:

Section 302/304: None

Section 311/312: Immediate (acute) health hazard- Aspiration

Section 313: This material does not contain any chemical components with know CAS numbers that exceed the threshold (de Minimis) reporting levels established by SARA Title III, Section 313.

CERCLA: Not listed

TSCA 12(B): Not regulated

State Regulatory Information

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.

U.S. California Proposition 65: This material is not know to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Australia (AICS):	This material is listed or exempted
Canada (DSL and NDSL):	This material is listed or exempted
China (IECSC):	This material is listed or exempted
Europe (EINECS and ELINCS):	This material is listed or exempted
Japan (ENCS):	This material is listed or exempted
Korea (ECL):	This material is listed or exempted
New Zealand :	This material is listed or exempted
Philippines (PICCS):	This material is listed or exempted
Taiwan (TCSI):	This material is listed or exempted
United States & Puerto Rico (TSCA):	This material is listed or exempted

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.

SDS revision is applicable for this product with labels codes AL0715 and above. SDS revision v.03 is applicable for products with label codes prior to AL0715.

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