SAFETY DATA SHEET FOR GROUNDWORX ULTRA MVR - A

ACCORDING TO FEDERAL REGISTER / VOL. 77, NO. 58 / MONDAY, MARCH 26, 2012 / RULES AND REGULATIONS
DATE OF ISSUE: 06/08/2020 SUPERSEDES: 02/19/2020

SECTION 1: IDENTIFICATION

1.1 IDENTIFICATION

Product form: Mixture
Product name: GroundWorx Ultra MVR - A
Product code: GroundWorx Ultra MVR - A

1.2 RECOMMENDED USE AND RESTRICTIONS ON USE

No additional information available

1.3 SUPPLIER

StaticWorx
P.O. Box 1556, Williston, VT 05495
T: 617-923-2000 F: 617-467-5871
staticworx.com

1.4 EMERGENCY TELEPHONE NUMBER

Emergency number: CHEMTREC: 800-424-9300 (Outside USA) 703-527-3887.

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS-US CLASSIFICATION

Skin corrosion/irritation Category 2:	H315	Causes skin irritation
Serious eye damage/eye irritation Category 2A:	H319	Causes serious eye irritation
Skin sensitization Category 1:	H317	May cause an allergic skin reaction
Specific target organ toxicity (single exposure) Category 3:	H335	May cause respiratory irritation
Specific target organ toxicity (repeated exposure) Category 1:	H372	Causes damage to organs (Skin) through prolonged or repeated exposure (Dermal)

Full list of H statements: see section 16

2.2 GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

GHS-US LABELING

Hazard pictograms (GHS-US):

Signal word (GHS-US):	Danger
Hazard statements (GHS-US):	H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H335 - May cause respiratory irritation H372 - Causes damage to organs (Skin) through prolonged or repeated exposure (Dermal)
Precautionary statements (GHS-US):	P260 - Do not breathe vapors P261 - Avoid breathing vapors P264 - Wash hands, forearms and face thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P272 - Contaminated work clothing must not be allowed out of the workplace P280 - Wear protective clothing P302+P352 - If on skin: Wash with plenty of soap P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P312 - Call a doctor if symptoms persist if you feel unwell P314 - Get medical advice/attention if you feel unwell P321 - Specific treatment (Call a doctor if symptoms persist) P332+P313 - If skin irritation occurs: Get medical advice/attention P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P363 - Wash contaminated clothing before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up P501 - Dispose of contents/container in accordance with local regulations

2.3 OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION

No additional information available

2.4 UNKNOWN ACUTE TOXICITY (GHS US)

Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES

Not applicable

3.2 MIXTURES

Name	Product Identifier	%	GHS-US Classification
(Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane)	(CAS No) 25068-38-6	84.7875 - 94.7625	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
2,3-Epoxypropyl neodecanoate	(CAS No) 26761-45-5	4.9875 - 14.9625	Skin Irrit. 2, H315

Full text of hazard classes and H-statements: see section 16

SECTION 4: FIRST-AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

First-aid measures general: Call a poison center/doctor/physician if you feel unwell.

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.

First-aid measures after skin contact: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion: Call a poison center/doctor/physician if you feel unwell.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS (ACUTE AND DELAYED)

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after skin contact: Irritation. May cause an allergic skin reaction.

Symptoms/injuries after eye contact: Eye irritation.

4.3 IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT, IF NECESSARY

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

5.2 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Fire hazard: Heating may cause a fire.
Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

6.1.1 FOR NON-EMERGENCY PERSONNEL

Emergency procedures: Ventilate spillage area. Do not breathe vapors. Avoid contact with skin and eyes.

6.1.2 FOR EMERGENCY RESPONDERS

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 ENVIRONMENTAL PRECAUTIONS

Avoid release to the environment.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods for cleaning up: Take up liquid spill into absorbent material.
Other information: Dispose of materials or solid residues at an authorized site.

6.4 REFERENCE TO OTHER SECTIONS

For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Precautions for safe handling: Do not breathe vapors. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage conditions: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Incompatible products: No specific data.

Incompatible materials: No known incompatible materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

(Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane) (25068-38-6)
Not applicable
2,3-Epoxypropyl neodecanoate (26761-45-5)
Not applicable

8.2 APPROPRIATE ENGINEERING CONTROLS

Appropriate engineering controls: Ensure good ventilation of the work station.

Environmental exposure controls: Avoid release to the environment.

8.3 INDIVIDUAL PROTECTION MEASURES/PERSONAL PROTECTIVE EQUIPMENT

Hand protection: Protective gloves.

Eye protection: Safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Color: Light yellow

Odor: Characteristic

Odor threshold: No data available

pH	No data available
Melting point:	Not applicable
Freezing point:	No data available
Boiling point:	No data available
Flash point:	230 °F
Relative evaporation rate (butyl acetate=1):	No data available
Flammability (solid, gas):	Not applicable
Vapor pressure:	No data available
Relative vapor density at 20 °C:	No data available
Relative density:	No data available
Specific gravity / density:	1.13 g/cm^3
Solubility:	Immiscible
Low Pow:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosion limits:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

9.2 OTHER INFORMATION
No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY
The product is non-reactive under normal conditions of use, storage and transport.

10.2 CHEMICAL STABILITY
Stable under normal conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS
No dangerous reactions known under normal conditions of use.

10.4 CONDITIONS TO AVOID
None under recommended storage and handling conditions (see section 7).

10.5 INCOMPATIBLE MATERIALS
No additional information available.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity: Not classified

(Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane) (25068-38-6)	
LD50 oral rat	> 2000 mg/kg (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)
2,3-Epoxypropyl neodecanoate (26761-45-5)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Male / female, Experimental value, Oral)
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	> 240 mg/m^3 (4 h, Rat, Expert judgement, Inhalation (vapours))
LC50 inhalation rat (ppm)	> 26 ppm (4 h, Rat, Expert judgement, Inhalation (vapours))

Skin corrosion/irritation: Causes skin irritation
Serious eye damage/irritation: Causes serious eye irritation
Respiratory or skin sensitisation: May cause an allergic skin reaction
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity – single exposure: May cause respiratory irritation
Specific target organ toxicity – repeated exposure: Causes damage to organs (Skin) through prolonged or repeated exposure (Dermal)
Aspiration hazard: Not classified
Symptoms/injuries after inhalation: May cause respiratory irritation
Symptoms/injuries after skin contact: Irritation. May cause an allergic skin reaction.
Symptoms/injuries after eye contact: Eye irritation

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

(Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane) (25068-38-6)	
LC50 fish 1	2.3 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Nominal concentration)
EC50 Daphnia 1	1.1 - 2.8 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 (algae)	> 11 mg/l (EPA 660/3 - 75/009, 72 h, Scenedesmus sp., Static system, Fresh water, Experimental value)
2,3-Epoxypropyl neodecanoate (26761-45-5)	
LC50 fish 1	5 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	4.8 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 (algae)	2.9 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

12.2 PERSISTENCE AND DEGRADABILITY

(Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane) (25068-38-6)	
Persistence and degradability	Not readily biodegradable in water.
2,3-Epoxypropyl neodecanoate (26761-45-5)	
Persistence and degradability	Inherently biodegradable. Not readily biodegradable in water.

12.3 BIOACCUMULATIVE POTENTIAL

(Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane) (25068-38-6)	
BCF other aquatic organisms 1	31 (Estimated value, Fresh weight)
Log Pow	2.64 - 3.78 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
2,3-Epoxypropyl neodecanoate (26761-45-5)	
Log Pow	4.4 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).

12.4 MOBILITY IN SOIL

(Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane) (25068-38-6)	
Surface tension	58.7 - 58.9 mN/m (20 °C, EU Method A.5: Surface tension)
Log Koc	2.65 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Ecology - soil	Low potential for adsorption in soil.
2,3-Epoxypropyl neodecanoate (26761-45-5)	
Surface tension	0.0789 N/m (21 °C, 0.063 g/l)
Log Koc	2.16 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Ecology - soil	Low potential for adsorption in soil.

12.5 OTHER ADVERSE EFFECTS

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 DISPOSAL METHODS

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT)

In accordance with DOT

Not applicable

TDG

Not applicable

TRANSPORT BY SEA

Not applicable

AIR TRANSPORT

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 US FEDERAL REGULATIONS

MVR-A
Listed on the United States TSCA (Toxic Substances Control Act) inventory
(Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane) (25068-38-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
2,3-Epoxypropyl neodecanoate (26761-45-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 INTERNATIONAL REGULATIONS

CANADA
No additional information available

EU REGULATIONS
No additional information available

NATIONAL REGULATIONS
No additional information available

15.3 US STATE REGULATIONS
No additional information available

SECTION 16: OTHER INFORMATION

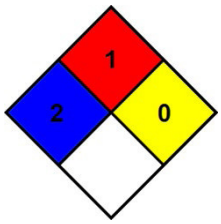
Full text of H-phrases:

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H372	Causes damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

NFPA health hazard: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard: 1 - Must be preheated before ignition can occur.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III RATING

Health:	2 Moderate Hazard - Temporary or minor injury may occur.
Flammability:	1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physical:	0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.