

# SAFETY DATA SHEET FOR **GROUNDWORX ULTRA MVR - B**

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

## SECTION 1: IDENTIFICATION

### 1.1 IDENTIFICATION

**Product form:** Mixture  
**Product name:** GroundWorx Ultra MVR - B  
**Product code:** GroundWorx Ultra MVR - B

### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

No additional information available

### 1.3 SUPPLIER

StaticWorx  
372 Hurricane Ln Suite 201, 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

<b>Acute toxicity (oral), Category 4:</b>	H302	
<b>Acute toxicity (dermal), Category 4:</b>	H312	
<b>Skin corrosion/irritation, Category 1C:</b>	H317	May cause an allergic skin reaction

Full text of H statements: see section 16

### 2.2 LABEL ELEMENTS

#### GHS-US LABELING

**Hazard pictograms (GHS-US):**



GHS05



GHS07

**Signal word (GHS-US):**

Danger

**Contains:**

Cycloaliphatic Amine; Aromatic Alcohol; Aliphatic Amine; Organic Acid

<b>Hazard statements (GHS-US):</b>	H302+H312 - Harmful if swallowed or in contact with skin H314 - Causes severe skin burns and eye damage
<b>Precautionary statements (GHS-US):</b>	P260 - Do not breathe vapors P264 - Wash hands thoroughly after handling P270 - Do not eat, drink or smoke when using this product P280 - Wear protective clothing P301+P312 - If swallowed: Call a doctor if symptoms persist if you feel unwell P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting P302+P352 - If on skin: Wash with plenty of soap P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower 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 P310 - Immediately call a doctor if symptoms persist P312 - Call a doctor if symptoms persist if you feel unwell P321 - Specific treatment (Call a doctor if symptoms persist) P330 - Rinse mouth P362+P364 - Take off contaminated clothing and wash it before reuse P363 - Wash contaminated clothing before reuse P405 - Store locked up P501 - Dispose of contents/container in accordance with local regulations

### 2.3 OTHER HAZARDS

No additional information available

### 2.4 UNKNOWN ACUTE TOXICITY (GHS US)

Not applicable

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 SUBSTANCE

Not applicable

### 3.2 MIXTURES

Name	Product Identifier	%	GHS-US Classification
Cycloaliphatic Amine	(CAS No) Proprietary	35 - 50	Acute Tox. 4 (Oral), H302
Aromatic Alcohol	(CAS No) Proprietary	25 - 35	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312
Amine-epoxy Resin Adduct	(CAS No) Proprietary	15 - 20	Not classified
Aliphatic Amine	(CAS No) Proprietary	10 - 15	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312
Organic Acid	(CAS No) Proprietary	5 - 7	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312

Full text of H-statements: see section 16

## SECTION 4: FIRST-AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

<b>First-aid measures general:</b>	Call a poison center or a doctor if you feel unwell.
<b>First-aid measures after inhalation:</b>	Remove person to fresh air and keep comfortable for breathing.
<b>First-aid measures after skin contact:</b>	Wash skin with plenty of water. Take off contaminated clothing.
<b>First-aid measures after eye contact:</b>	Rinse eyes with water as a precaution.
<b>First-aid measures after ingestion:</b>	Rinse mouth. Call a poison center or a doctor if you feel unwell.

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS (ACUTE AND DELAYED)

<b>Symptoms/injuries after inhalation:</b>	Nausea. Vomiting. Coughing. Headache. Feeling of weakness.
<b>Symptoms/injuries after skin contact:</b>	Slight irritation. Skin rash/inflammation. Red skin.
<b>Symptoms/injuries after eye contact:</b>	Redness of the eye tissue. Irritation of the eye tissue.
<b>Symptoms/injuries after ingestion:</b>	Nausea. Vomiting.

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

**Suitable extinguishing media:** Use extinguishing media for surrounding fire.

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

<b>Fire hazard:</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Reactivity:</b>	Stable under normal conditions.

### 5.3 ADVICE FOR FIREFIGHTERS

**Firefighting instructions:** Firefighter should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**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

**General measures:** Isolate from fire, if possible, without unnecessary risk. Evacuate area.

#### 6.1.1 FOR NON-EMERGENCY PERSONNEL

No additional information available.

#### 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

**For containment:** Contain released substance, pump into suitable containers. Dam up the liquid spill.

**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:** Ensure good ventilation of the work station. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment.

**Hygiene measures:** Wash contaminated clothing before reuse. 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 in a well-ventilated place. Keep cool.  
**Incompatible materials:** No known incompatible materials.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 CONTROL PARAMETERS**

<b>Cycloaliphatic Amine (Proprietary)</b>
Not applicable
<b>Aromatic Alcohol (Proprietary)</b>
Not applicable
<b>Aliphatic Amine (Proprietary)</b>
Not applicable
<b>Organic Acid (Proprietary)</b>
Not applicable
<b>Amine-epoxy Resin Adduct (Proprietary)</b>
Not applicable

**8.2 EXPOSURE CONTROLS**

**Appropriate engineering controls:** Ensure good ventilation of the work station.  
**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.  
**Environmental exposure controls:** Avoid release to the environment.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state:** Liquid  
**Appearance:** Yellow liquid  
**Color:** Yellow  
**Odor:** Amine-like  
**Odor threshold:** No data available  
**pH:** No data available  
**Melting point:** No data available  
**Freezing point:** No data available  
**Boiling point:** No data available  
**Flash point:** > 100 °C

<b>Relative evaporation rate (butyl acetate=1):</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Explosive limits:</b>	No data available
<b>Explosive properties:</b>	No data available
<b>Oxidizing properties:</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Relative density:</b>	No data available
<b>Relative vapor density at 20 °C:</b>	No data available
<b>Solubility:</b>	No data available
<b>Low Pow:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Viscosity, kinematic:</b>	No data available
<b>Viscosity, dynamic:</b>	800 - 1200 mPa.s @25 C

## 9.2 OTHER INFORMATION

No additional information available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

Stable under normal conditions.

### 10.2 CHEMICAL STABILITY

No additional information available

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No additional information available

### 10.4 CONDITIONS TO AVOID

Avoid exposure.

### 10.5 INCOMPATIBLE MATERIALS

No specific data.

### 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

<b>Acute toxicity:</b>	Oral: Harmful if swallowed. Dermal: Harmful in contact with skin.
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<b>MVR-B</b>	
ATE US (oral)	990.252 mg/kg bodyweight
ATE US (dermal)	1100.000 mg/kg bodyweight
<b>Cycloaliphatic Amine (Proprietary)</b>	
LD50 oral rat	1030 mg/kg
ATE US (oral)	1030.000 mg/kg bodyweight
<b>Aromatic Alcohol (Proprietary)</b>	
LD50 oral rat	1230 mg/kg
LD50 dermal rat	2000 mg/kg
LC50 inhalation rat (ppm)	Inhalation Product: ATEmix: 73.33 mg/l Vapour ATEmix : 8.93 mg/l Dusts, mists and fumes
ATE US (oral)	1230.000 mg/kg bodyweight
ATE US (dermal)	2000.000 mg/kg bodyweight
<b>Aliphatic Amine (Proprietary)</b>	
LD50 oral rat	930 mg/kg
LD50 dermal rat	2000 mg/kg
LC50 inhalation rat (ppm)	3.89 ppm/1h
ATE US (oral)	930.000 mg/kg bodyweight
ATE US (dermal)	2000.000 mg/kg bodyweight
ATE US (gases)	1.945 ppmv/4h
<b>Organic Acid (Proprietary)</b>	
LD50 oral rat	891 mg/kg
LD50 dermal rat	2000 mg/kg
LD50 dermal rabbit	> 10000 mg/kg
LC50 inhalation rat (ppm)	> 0.9 ppm/1h
ATE US (oral)	891.000 mg/kg bodyweight
ATE US (dermal)	2000.000 mg/kg bodyweight

<b>Skin corrosion/irritation:</b>	Causes severe skin burns and eye damage
<b>Serious eye damage/irritation:</b>	Not classified
<b>Respiratory or skin sensitisation:</b>	Not classified
<b>Germ cell mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>Specific target organ toxicity – single exposure:</b>	Not classified
<b>Specific target organ toxicity – repeated exposure:</b>	Not classified
<b>Aspiration hazard:</b>	Not classified
<b>Symptoms/injuries after inhalation:</b>	Nausea. Vomiting. Coughing. Headache. Feeling of weakness.
<b>Symptoms/injuries after skin contact:</b>	Slight irritation. Skin rash/inflammation. Red skin.

**Symptoms/injuries after eye contact:** Redness of the eye tissue. Irritation of the eye tissue.  
**Symptoms/injuries after ingestion:** Nausea. Vomiting.

## 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.

### 12.2 PERSISTENCE AND DEGRADABILITY

No additional information available

### 12.3 BIOACCUMULATIVE POTENTIAL

No additional information available

### 12.4 MOBILITY IN SOIL

No additional information available

### 12.5 OTHER ADVERSE EFFECTS

**Effect on global warming:** No known ecological damage caused by this product.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 WASTE TREATMENT METHODS

**Waste treatment methods:** Contain and dispose of waste according to local regulations.  
**Waste disposal recommendations:** Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: TRANSPORT INFORMATION

### DEPARTMENT OF TRANSPORTATION (DOT)

In accordance with DOT

**Transport document description:** UN2735 Polyamines, liquid, corrosive, n.o.s. (Cycloaliphatic Amine), 8, III  
**UN-No.(DOT):** UN2735  
**Proper Shipping Name (DOT):** Polyamines, liquid, corrosive, n.o.s.  
Cycloaliphatic Amine  
**Class (DOT):** 8 - Class 8 - Corrosive material 49 CFR 173.136  
**Hazard labels (DOT):** 8 - Corrosive





<b>Packing group (DOT):</b>	III - Minor Danger
<b>DOT Packaging Non Bulk (49 CFR 173.xxx):</b>	203
<b>DOT Packaging Bulk (49 CFR 173.xxx):</b>	241
<b>DOT Symbols:</b>	G - Identifies PSN requiring a technical name
<b>DOT Special Provisions (49 CFR 172.102):</b>	IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131F) are authorized, except for UN2672 (also see Special Provision IP8 in Table2 for UN2672) T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling TP28 - A portable tank having a minimum test pressure of 2.65 bar (265kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP
<b>DOT Packaging Exceptions (49 CFR 173.xxx):</b>	154
<b>DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27):</b>	5 L
<b>DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75):</b>	60 L
<b>DOT Vessel Stowage Location:</b>	A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
<b>DOT Vessel Stowage Other:</b>	52 - Stow "separated from" acids
<b>Other information:</b>	No supplementary information available.

**TDG**

No additional information available

**TRANSPORT BY SEA**

No additional information available

**AIR TRANSPORT**

No additional information available

**SECTION 15: REGULATORY INFORMATION****15.1 US FEDERAL REGULATIONS**

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

<b>Cycloaliphatic Amine (Proprietary)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Aromatic Alcohol (Proprietary)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Aliphatic Amine (Proprietary)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Organic Acid (Proprietary)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Amine-epoxy Resin Adduct (Proprietary)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**15.2 INTERNATIONAL REGULATIONS****CANADA**

No additional information available

**AUSTRALIA**

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****Other information:**

Disclaimer: This SDS to the best of our knowledge conforms to the requirements of OSHA 20 CFR 1910.1200 and summarizes the health and safety hazard information and general guidance on how to safely handle the material at the date of issue. Each user must review the SDS in the context of how the product will be handled and used in the workplace.

Full text of H-phrases:

H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes severe skin burns and eye damage

**NFPA health hazard:**

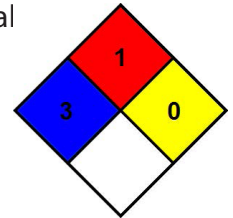
3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

**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:**

3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

**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.*