

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
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

Acute toxicity (oral), Category 4:	H302	
Acute toxicity (dermal), Category 4:	H312	
Skin corrosion/irritation, Category 1C:	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

Hazard statements (GHS-US):

H302+H312 - Harmful if swallowed or in contact with skin
H314 - Causes severe skin burns and eye damage

Precautionary statements (GHS-US):

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

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

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS (ACUTE AND DELAYED)

Symptoms/injuries after inhalation:	Nausea. Vomiting. Coughing. Headache. Feeling of weakness.
Symptoms/injuries after skin contact:	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.

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

Fire hazard:	In a fire or if heated, a pressure increase will occur and the container may burst.
Reactivity:	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**

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

Relative evaporation rate (butyl acetate=1):	No data available
Flammability (solid, gas):	No data available
Explosive limits:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Vapor pressure:	No data available
Relative density:	No data available
Relative vapor density at 20 °C:	No data available
Solubility:	No data available
Low Pow:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	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

Acute toxicity:	Oral: Harmful if swallowed. Dermal: Harmful in contact with skin.
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MVR-B	
ATE US (oral)	990.252 mg/kg bodyweight
ATE US (dermal)	1100.000 mg/kg bodyweight
Cycloaliphatic Amine (Proprietary)	
LD50 oral rat	1030 mg/kg
ATE US (oral)	1030.000 mg/kg bodyweight
Aromatic Alcohol (Proprietary)	
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
Aliphatic Amine (Proprietary)	
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
Organic Acid (Proprietary)	
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

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



Packing group (DOT):	III - Minor Danger
DOT Packaging Non Bulk (49 CFR 173.xxx):	203
DOT Packaging Bulk (49 CFR 173.xxx):	241
DOT Symbols:	G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102):	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
DOT Packaging Exceptions (49 CFR 173.xxx):	154
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27):	5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75):	60 L
DOT Vessel Stowage Location:	A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other:	52 - Stow "separated from" acids
Other information:	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.

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

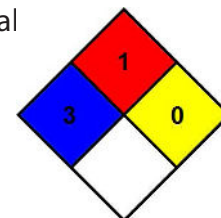
3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

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.