SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifiers :

Product Name	:	WEED-OUT
Brand	:	Eco Advance
CAS-No.	:	N/A (Mixture)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses	:	Commercial/Industrial Herbicide

1.3 Details of the supplier of the safety data sheet (SDS)

Company	:	Eco Advancements, Inc. 1564 W Searcy St Kensett, AR 72082
Telephone	:	501-278-2320
Fax	:	

1.4 Emergency telephone number

Emergency Phone #	:	CHEMTREC: 1-800-424-9300 / +1 703-527-3887

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200
Acute Oral/Inhalation Toxicity [Category 5]
Skin Corrosion/Irritation [Category 3]
Eye Damage/Irritation [Category 2B]
For the full text of the H-Statements mentioned in this section, see section 16

2.2 GHS Label elements, including precautionary statements

Pictogram	
Signal word	Warning
Hazard statement(s)	
H303 + H333	May be harmful if swallowed or inhaled.
H316	Causes mild skin irritation.
H320	Causes eye irritation.
Precautionary Statement(s) - Prevention:	
P264	Wash hands thoroughly after handling.
P304 + P312	IF SWALLOWED OR INHALED: Call a POISION CENTER and/or a physician, if you feel unwell.
Response:	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
P337 + P313	IF eye irritation persists: Seek medical attention/advice, preferably an ophthalmologist.
P332 + P313	If skin irritation occurs: Seek medical attention/advice.
Disposal:	
P501	Dispose of contents/container in accordance with all local, state, and federal regulations.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

100% of the mixture consists of component(s) of unknown acute oral, dermal, or inhalation toxicity.

SECTION 3: Composition/information on ingredients

3.1 Substance/ Mixture : Mixture

Chemical Nature : Water-based dispersion

Hazardous component(s)*

Component(s)	CAS No.	Concentration
Organic Polymer	Trade secret	50 - 70%
Inorganic Salt	Trade secret	10 - 30%
Methanol	67 - 56 - 1	<0.5%

*The exact chemical identity and/or concentration (percentage) has been withheld as a trade secret.

SECTION 4: First aid measures

4.1 Description of first aid measures

If inhaled

Remove person from source of exposure to fresh air. If breathing is difficult, administer oxygen. If not breathing, start CPR. Get medical attention immediately.

In case of skin contact

Immediately wash with plenty of soap and water for at least 5 minutes. Remove contaminated clothing and shoes, clean before re-use. If irritation develops or persists, seek medical attention.

In case of eye contact

Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Remove contact lenses, if present and easy to do so. Seek medical attention if irritation persists.

If swallowed

If fully conscious, drink as much water as can be tolerated. DO NOT induce vomiting. Seek medical attention.

4.2 Indication of any immediate medical attention and special treatment needed.

Most important symptoms/ effects:

Inhalation: Mists may irritate nose, throat, mucous membranes, and respiratory tract.
Skin Contact: Prolonged and repeated exposure may cause irritation.
Eye Contact: May cause irritation. May cause pain and tearing.
Ingestions: May cause irritation of the mouth, throat, gastrointestinal tract. May cause salivation, pain, nausea, vomiting, diarrhea.

No specific antidote, treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: For small fires, Class B fire extinguishing media such as CO2, dry chemical, foam or water spray can be used. For large fires, water spray, fog or foam can be used. Firefighting should be attempted only by those who are adequately trained and equipped with proper protective equipment.

Unsuitable extinguishing media: Do not use heavy water stream to avoid spreading fire.

5.2 Specific Hazards Arising from the Chemical

This product is not a flammable liquid per the OSHA Hazard Communication Standard, but may ignite and/or burn at temperatures exceeding the flash point (160^{o}C). Spontaneous combustion may occur under high temperature, closed conditions if material is absorbed in various fiber matrices and oxygen is present (e.g. oily rags). In a fire, material can begin to decompose at temperatures above 455^{o}F (235^{o}C) and may release ammonia and sulfur oxides which are toxic and may be flammable.

5.3 Special Fire Fighting Procedures

Firefighters should wear NIOSH/MSHA approved full protective clothing and positive-pressure self-contained breathing apparatus (SCBA) with a full-face-piece, as appropriate. Avoid using straight water streams. Water spray and foam (AFFF/ATC) must be applied carefully to avoid frothing and from as far a distance as possible. Avoid excessive water spray application. Keep run-off water out of sewers and water sources.

5.3 Hazardous Combustion Products

Smoke, oxides of carbons, toxic fumes, ammonia, sulfur oxides, and other incomplete combustion products.

5.4 Unusual fire and explosion hazards

Product with burn under fire conditions.

SECTION 6: Accidental release measures

6.1 Personal Precautions

Keep public away. Isolate and evacuate area. Shut off source if safe to do so. All contaminated surfaces will be slippery. Wear appropriate personal protective equipment. Absorb with an inert absorbent. Sweep up and place in an appropriate closed container. Clean up residue material by washing area with water.

6.2 Environmental Disposal Information

Prevent runoff from contacting public drains, sewers, or streams. Contact relevant authorities if spillage cannot be contained and enters public waterways.

6.3 Methods and Materials for Containment and Cleaning

Contain liquid with sand or soil. Use suitable absorbent materials such as vermiculite, sand, or clay to clean up residual liquids. Recover and return free product to proper containers. Clean contaminated surface thoroughly.

6.4 Waste Disposal

In accordance with local, state, and federal regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid repeated and prolonged skin contact. Avoid breathing vapors or mists. Use only with adequate ventilation. Use non sparking tools and grounded equipment and containers when transferring. Refer to applicable EPA, OSHA, NFPA and consistent state and local requirements.

7.2 Conditions for safe storage

Store in a cool, dry, ventilated area. Store in properly labeled containers and keep tightly closed when not in use. Store wiping rags in metal cans with tightly fitting lids. Do not store near extreme heat, open flame, or sources of ignition. Store between 40 - 90 ^{o}F.

7.3 Incompatible Materials

Strong oxidizing agents

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Component	Exposure Limit	Basis	Entity
Organic Polymer	TWA: 5 mg/m^{3}mist, respirable fraction TWA: 15 mg/m^{3}mist, total dust	PEL's	OSHA
	TWA: 5 mg/m^{3}mist, respirable fraction TWA: 10 mg/m^{3}mist, total dust	Vacated PEL's	
Inorganic Salt	TWA: 15 mg/m^3 mist, total dust	PEL's	OSHA
	TWA: 10 mg/m^{3}mist, total dust	TLV	ACGIH
Methanol	TWA: 200ppm (260mg/m3) STEL: 250ppm (325mg/m3) Skin	PEL's + Vacated PEL's	OSHA
	TWA: 200 PPM STEL: 250 PPM Skin	TLV	ACGIH
	6000 PPM	IDLH	NIOSH

8.2 Exposure controls

Appropriate engineering controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash station and safety shower is proximal to the work-station location.

Personal protective equipment

Eye/face protections

Use chemical safety goggles or face-shield if the potential for splashing exists.

Skin and body protection

Wear neoprene, nitrile or PVA gloves to prevent skin contact. Glove suitability is based on workplace conditions and usage. Contact the glove manufacturer for specific advice on glove selection and breakthrough times. Wear protective clothing. A chemical safety apron may be required depending on the method of use. A safety assessment should be performed to determine the appropriate body protection for each application.

Respiratory protection

Breathing apparatus needed only when aerosol or mist is formed. Observe respirator assigned protection factors (APFs) criteria cited in federal OSHA 29 CFR 1910.134. Self-contained breathing apparatus should be used for fire fighting.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Avoid contact with skin, eyes and clothing. Do not eat, drink, or smoke while handling this material.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a -	Appearance	Amber to dark amber liquid
b -	Specific Gravity	1.24 +/-.03
c -	pH:	6.0 +/- 1
d -	Solubility in water	Soluble
e -	Percent volatiles (by weight)	<0.5%
f -	Flash Point, TAG CC F	160 °C (320 °F)
g-	Initial Boiling Point	100 °C (212 °F)
h-	Freezing point	not determined
i-	Viscosity at 20°C (68°F)	10 - 100 cPs

9.2 Other safety information

The above information is given only as a listing of typical properties and is not intended to be representative of product specifications. Please contact the Quality Assurance Department for current product specifications.

SECTION 10: Stability and reactivity

10.1 Stability

This product is stable under normal storage conditions. (Storage Temperature: 40 - 90 °F)

10.2 Incompatible materials

Strong oxidizing agents

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur

10.4 Conditions to avoid

Avoid excessive heat and light

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Potential short-term effects from over exposure

Inhalation: Excessive inhalation of mist may result in respiratory irritation. Overheating may produce vapors which may cause respiratory irritation, dizziness and nausea.

Eye Contact: May cause irritation, pain and tearing.

Skin Contact: May cause slight irritation. Prolonged and repeated contact may cause defatting and drying of the skin and may lead to irritation and/or dermatitis.

Ingestion: May cause irritation of the mouth, throat, gastrointestinal tract. May cause salivation, pain, nausea, vomiting, diarrhea.

Acute Toxilogical Data

No data available.

Chronic Toxilogical Data

No data available.

Adverse effects related to the physical, chemical, and toxilogical characteristics

Signs and symptoms : Repeated or prolonged skin contact may cause drying, reddening, itching and cracking.

Sensitization: Not expected to be a skin or respiratory sensitizer

Mutagenic effects: None known.

Carcinogenicity: This material is not listed as a carcinogen or potential carcinogen by NTP, IARC, ACGIH or OSHA.

Reproductive toxicity: None known.

STOT - Single exposure: Not classified.

STOT - Repeated exposure: Not classified.

Aspiration Hazard: No data available.

SECTION 12: Ecological information

12.1 Ecotoxicity

No data available. Not expected to be harmful to aquatic organisms.

12.2 Persistence and degradability

Readily biodegradable in the environment.

12.3 Bioaccumulative potential

Not expected to bioaccumulate.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effect

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.

Contaminated packaging

Dispose of as unused product. Do not re-use empty containers.
Observe all federal, state and local regulations when disposing of the substance.

SECTION 14: Transport information

14.1 This product is not a DOT hazardous material and is therefore not regulated.

14.2 Special precautions for user

No data available

SECTION 15: Regulatory information

15.1 All components of this material are either listed or exempt from the TSCA Inventory.

15.2 EPA Superfund Amendment & Reauthorization Act (SARA):

SARA Section 302: This product does not contain any component(s) included on EPA's Extremely Hazardous Substance (EHS) List.
SARA Section 304: This product may contain component(s) identified either as an EHS or a CERCLA Hazardous substance which in case of a spill or release may be subject to SARA reporting requirements.

Component	Hazardous Substances Reportable Quantities (RQ's)
Methanol	5000 lbs

SARA Section 311/312: The EPA hazard categories below apply to this product.

Acute Health Hazard

SARA Section 313: This product may contain component(s), which if in exceedance of the de minimus threshold, may be subject to the reporting requirements of SARA Title III Section 313 Toxic Release Reporting (Form R).

Component	CERCLA/SARA 313 Emission reporting
Methanol	1.0% de minimis concentration

15.3 State Regulations

State specific regulations have not been determined Performance Chemicals LLC. Consult engineers if necessary.

15.4 Canadian DSL/NDSL Inventory

All components of this material are either listed or exempt on the Canadian DSL.

15.5 Canadian Regulatory Information:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

Component	WHMIS: Classifications of Substances	WHMIS: Ingredient Disclosure
Methanol	B2,D1B,D2A,D2B	0.10%

SECTION 16: Other information

16.1 Full text of H-Statements referred to under sections 2 and 3.

H303 + H333	May be harmful if swallowed or inhaled.
H316	Causes mild skin irritation.
H320	Causes eye irritation.

NFPA Rating:	Health - 1, Fire - 1, Reactivity- 0
HMIS Hazard Ratings:	Health - 1 , Flammability - 1, Reactivity -0
HMIS limitation statement:	The HMIS hazard ratings numbers are meant to give a quick indication of the relative hazards associated with the product. All of the information contained in the SDS should be consulted to assist with the safe handling of this material.

16.2 Abbreviations

ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstracts Service
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
HMIS: Hazardous materials identification system
IDLH: Immediately dangerous to life or health
IARC: International agency for research on cancer
N/A: Not Applicable
NFPA: National fire protection association
NIOSH: National Institute for Occupational Safety and Health
NTP: National toxicology program
PEL: Permissible exposure limit
PPM: Parts per million
TLV: Threshold limit value
TWA: Total weighted average

16.3 Revisions

Date Written: 9/09/2019
Reason for revision: New Product

16.4 Further information

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