

Safety Data Sheet

Acc. To OSHA HCS (29 CFR 1910.1200)

12/6/2021

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Trade Name: Soil Relief™

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: 76401

Trade Name: Soil Relief™

Recommended use and restriction of use

Recommended use: Soil amendment

Restrictions on use: Use only as directed

Details of supplier/manufacturer of Safety Data Sheet:

Trigon Turf Sciences
16051 Collins Avenue, #1502
Sunny Isles Beach, FL 33160
(757) 220-4466

Emergency Telephone number: ChemTel, Inc. (800) 255-3924, 1+ (813) 248-0585

2. Hazard(s) Identification

Classification of substances or mixture

Additional Information:

Label elements:

GHS label elements:



Corrosive



Irritant

Hazard pictograms:

Signal word: Danger

Hazard-determining components of labeling:

Hazard statements:

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation

H402 Harmful to aquatic life.

H411 Toxic to aquatic life with long lasting effects

Precautionary statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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 POISON CENTER or doctor/ physician.

P363 Wash contaminated clothing before reuse.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Disposal

P501 Dispose of contents/ container to an approved waste disposal plant.

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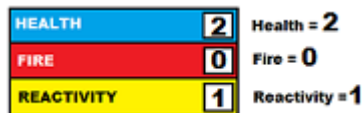
Hazard description:

WHMIS symbols:



Corrosive

Classification system:



NFPA ratings (scale 0-4)

HMIS ratings (scale 0-4)

Other Hazards

Results of PBT and vPvB assessment:

PBT: Not Applicable

vPvB: Not Applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterizations: Proprietary

Description: Mixture of substances

Dangerous components:

CAS#	Chemical Ingredients	%
Blend	Carbamide dihydrogen sulfate	27%
Blend	Lauramine Oxide	<1%

Additional information: Additional ingredients, the identity and exact percentages are being withheld as a trade secret.

4. FIRST AID MEASURES

Description of first-aid measures

General information:

After inhalation: Supply fresh air; consult a doctor in case of complaints.

After skin contact: Immediately rinse with water. If irritation continues, consult a doctor.

After eye contact: Rinse opened eye(s) for several minutes with running water. If irritation continues consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water. Vomiting may occur; immediately call for medical help.

Information for doctor:

Most important symptoms and effects, both acute and delayed: Can cause moderate eye irritation and dermatitis with prolonged skin contact

Danger issues:

Moderate eye and skin irritation can occur

Indication of an immediate medical attention and special treatment needed: No additional information available

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5. FIRE -FIGHTING MEASURES

Extinguishing Media

Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons, unsuitable extinguishing agents: Can react with water giving off heat

Special hazards arising from the substance or mixture: None known

Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information: No further relevant information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Environmental precautions: Do not allow product to enter sewers, surface of ground water.

Methods and materials for containment and clean up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to Sec. 13

Reference to other section: Refer to Sec. 7, 8, and 13.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling:

Use in well ventilated areas

Open and handle receptacles with care.

Avoid splashes or sprays in enclosed areas

Avoid contact with eyes and skin.

Wash hands before breaks and at the end of work.

Use personal protective equipment as required

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including and incompatibilities:

Storage

Requirements to be met by storerooms and receptacles:

Store only in original receptacle

Information about storage in one common storage facility:

Further information about storage conditions: Store in cool, dry conditions in well-sealed receptacles.

Specific end uses: No further relevant information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see item 7

Control parameters

Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation were used as the basis.

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Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed

Keep away from foodstuff, beverages and feed

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work

Avoid contact with the eye and skin

Use only in well ventilated areas.

Engineering controls:



Breathing equipment: Not normally needed when used in well ventilated area. Avoid mist and vapor.

Protection of hands: Gloves are recommended

Material of gloves: PVC, neoprene, or butyl

Penetration time of glove material: Not available

Eye protection: Safety glasses recommended

Body protection: Standard work cloths recommended

Limitation and supervision of exposure into the environment: No further relevant information available

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General information

Appearance:

Form: Liquid

Color: Amber to brown

Odor: slightly pungent

Odor threshold: Not determined

pH value: 3.0 - 4.0

Melt point/ range: Not determined

Boiling point/ range: Not determined

Flash point: Not applicable

Flammability (solid, gaseous): Not applicable

Auto-ignition temp: Not determined

Decomposition temperature: Not determined

Auto igniting: Product is not self-igniting

Danger of explosion: Product does not present an explosion hazard

Explosion limits:

Lower: Not determined

Upper: Not determined

Vapor pressure at 20 C (F):

Density at 20 C (F):

Specific Gravity: 1.2610

Vapor density: Not determined

Evaporation rate: Not determined

Solubility/miscibility with water: Dispersible

Partition coefficient (n-octanol/water): Not determined

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Viscosity: Not determined

Solvent content:

VOC (California): 0 %

Other information: No further relevant information available

10. STABILITY AND REACTIVITY

Reactivity

Chemical Stability

Thermal decomposition/conditions to be avoided: Store in cool, dry place. Avoid freezing

Possibility of hazardous reactions: Can react with water giving off heat

Conditions to avoid: None known

Incompatible materials: Strong alkalis, and strong oxidizing agents.

Hazardous decomposition components: Possible oxides of carbon (CO, CO2)

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC 50 values that are relevant for classification: Not available

Primary irritant effect

On skin: Can cause irritation

On eyes: Can cause irritation

Sensitization: No sensitizing effects known

Sub-acute to chronic toxicity: No further relevant information available

Additional toxicological information:

Carcinogenic categories

NTP (National Toxicology Program): None of the ingredients is listed

OSHA-Ca (Occupational Safety and Health Administration): No further relevant information available

Probable routes of exposure

Acute effects (acute toxicity, irritation, and corrosivity): Skin and eye irritation can occur

Repeated Dose Toxicity: No further relevant information available

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: No further relevant information available

Persistence and degradability: No further relevant information available

Behavior in environmental system

Bio-accumulative potential: No further relevant information available

Mobility in soil: No further relevant information available

Additional ecological information:

General notes: Do not allow undiluted product or large quantities of product to reach ground water, water course or sewage systems.

Other adverse effects: No further relevant information available

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13. DISPOSAL CONSIDERATIONS

Waste treatments methods

Recommendation:

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual material should be treated as hazardous.

Un-cleaned packaging:

Recommendations: Disposal must be made according to official regulations

Recommended cleansing agent: Water, if necessary with cleansing agents

14. TRANSPORT INFORMATION

UN-Number: UN1760

DOT, ADR, IMDG, IATA:

UN proper shipping name: UN 1760 Corrosive liquid, water-reactive, n.o.s., 8, III

Transport hazard class(s):

Motor Vehicle / Railcar:

DOT corrosive to aluminum. Not regulated if transported by motor vehicle or railcar in packaging that will not react dangerously or be degraded by this material [See 49 CF 173.154(d)].

Air / Vessel:

Corrosive liquid, N.O.S. (monocarbamide dihydrogensulfate), 8, UN1760, PG III

Other Shipping Description: Compounds, Water Treating, Liquid.

(NMFC Item 50313, LTL Class 65)

Packing group: III

Environmental hazards: None known

Marine pollutant: No

Transport/Additional information: None Known

Schedule B: 3808.62.0000

HS Code: 3808

15. REGULATORY INFORMATION

Safety, health and environmental regulation/legislation specific for the substance or mixture (USA)

CERCLA: No reportable quantity has been established for this material.

However, since spilled material may release sulfuric acid in contact with water, an effective RQ of 2040 pounds (calculated on the potential to generate 1000 pounds RQ for Sulfuric Acid) should be applied in the event of a release or spill.

SARA

Section 355 (extremely hazardous substances): None of ingredients are listed

Section 313 (Specific toxic chemical listings): None of ingredients are listed

TSCA (Toxic Substance Control Act): All of ingredients are listed

Prop 65 (California)

Chemicals known to cause cancer: None of ingredients are listed

Chemicals known to cause reproductive toxicity for females: None of ingredients are listed

Chemicals known to cause reproductive toxicity for males: None of ingredients are listed

Chemicals known to cause developmental toxicity: None of ingredients are listed

Carcinogenic Categories

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EPA (Environmental Protection Agency): None of ingredients are listed

IARC (International Agency for Research on Cancer):

TVL (Threshold Limit Value established by ACGIH):

NIOSH-Ca (National Institute for Occupational Safety and Health): None of ingredients are listed

State Right to Know Listings: None of ingredients are listed

Canadian substance listings

Canadian Domestic Substances List (DSL): All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%): None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%): None of the ingredients is listed.

Other regulations, limitations and prohibitive regulation:

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

Chemical safety assessment: A Chemical safety assessment has not been carried out.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific products features and shall not establish a legally valid contractual relationship.

The health hazards given on the Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

Company warrants that the product or products described herein will conform to its published specifications. The products supplied by the company and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Company's materials for their own particular purpose. Since buyer's conditions of use of product are beyond Company's control, Company does not warrant any recommendations and information for the use of such products. Company disclaims all other warranties including the implied warranty of merchantability and fitness for any particular purpose in connection with the use of its products.

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