

Safety Data Sheet

Acc. To OSHA HCS (29 CFR 1910.1200)

12/6/2021

Trade Name: GreenCor™ -IVC

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1. PRODUCT IDENTIFICATION

Product Identifier: 77323

Trade Name: GreenCor™-IVC

Recommended use and restriction of use

Recommended use: Non-selective herbicide concentrate

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 IDENTIFICATION

Classification of substances or mixture

Additional Information:

Label elements:

GHS label elements:

Acute Tox. Oral 3	H301 Toxic if swallowed
Acute Tox. Inhal 4	H332 Harmful if inhaled
Skin Irr. 1B	H315 Causes skin irritation
Eye Irr. 2A	H319 Causes serious eye irritation
Aquatic Tox.	H411 Toxic to aquatic life with long lasting effects

Hazard pictograms:



Toxic



Irritant

Signal word: Warning

Hazard statements:

H301 Toxic if swallowed
H332 Harmful if inhaled
H315 Causes skin irritation
H319 Causes serious eye irritation
H411 Toxic to aquatic life with long lasting effects

Precautionary statements:

P362 Take off contaminated clothing and wash before reuse
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P301 + P330 IF SWALLOWED: Rinse mouth, induce vomiting
P302 + P352 IF ON SKIN: wash with plenty of soap and water
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P304 + P312 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell
P402 + P404 Store in a dry place. Store in a closed container
P420 Store away from other materials
P501 Dispose of contents/container in accordance with local/regional/national/international regulations

Hazard description:

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WHMIS symbols:

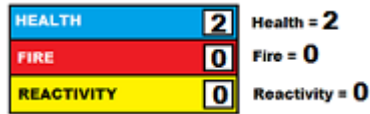


Toxic

Classification system:



Health = 2
Fire = 0
Reactivity = 0



HMIS ratings (scale 0-4)

NFPA 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 No	Chemical Name	Range %
Blend	Sodium Salts	<40 %
151-41-7	Lauryl sulfate	<10%

*Additional information: For the listed ingredients, the identity and exact percentages are being withheld as a trade secret. Sodium Chloride, Sodium bicarbonate, Sodium benzoate, Sodium acetate.

4. FIRST AID MEASURES

Description of first-aid measures

General information:

After inhalation: Remove victim to fresh air. If not breathing, clear airway and start mouth-to-mouth artificial respiration or use a bag-mask respirator. Get immediate medical attention. If the victim is having trouble breathing, transport to medical care and if available, give supplemental oxygen

After skin contact: As quickly as possible flush contaminated area with lukewarm gently running water for at least 5 minutes or until chemical is removed. Immediately remove contaminated clothing, shoes, and leather goods such as watchbands or belts. If irritation persists repeat flushing. Obtain medical advice immediately. Completely decontaminate clothing, shoes and leather goods before reuse or discard them

After eye contact: Immediately flush contaminated eye(s) with lukewarm, gently running water for 15 minutes or until substance is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into non-affected eye. Neutral saline solution may be used for flushing if available. Remove contact lenses, if present and easy to do so. Get medical attention if irritation persists

After swallowing: Immediately give 3-4 glasses of water, and induce vomiting. Give fluids until vomit is clear. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. Get immediate medical attention

Information for doctor: Chemical of exposure is a strong oxidizer and methemoglobin former. Cyanosis may be noted within several hours following inhalation or ingestion

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

Danger issues: N/A

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

5. FIRE-FIGHTING MEASURES

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO₂), sulfur oxides (SO₂, SO₃...).

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of heat.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: When heated to decomposition it emits toxic fumes of sulfur oxides, and sodium oxide.

Special Remarks on Explosion Hazards: Not available.

6. ACCIDENTAL RELEASE MEASURE

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. Do not contaminate water. Prevent further leakage or spillage if safe to do so. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Methods and materials for containment and clean up: Keep combustibles away from spilled material. Ensure cleanup is conducted by trained personnel only. Use all appropriate personal protective equipment. Shovel into clean, dry, labeled containers and cover. Recover contaminated oil and gravel. Flush area with water. If a powdery residue is present when area is dry, flush again. For waste disposal, see Section 13 of the SDS. Notify government occupational health and safety and environmental authorities as per applicable regulations.

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

7. HANDLING AND STORAGE

Handling

Precautions for safe handling:

Do not eat, drink or smoke when using the product. Avoid inhalation of mist and contact with skin and eyes. Use with adequate ventilation. Wash hands thoroughly after handling. Wear suitable protective clothing. Keep away from heat, sparks and open flame. Keep away from combustible material. Keep container closed. Clean up spilled material immediately. Do not allow liquid to dry. Do not skid or slide containers. Use non-combustible or fire resistant greases, lubricants and hydraulic fluids in chlorate handling areas. Avoid contamination with organic materials. Avoid generating mists and dusts. Have emergency equipment readily available.

Storage

Store in a cool, dry, well-ventilated area out of direct sunlight and in an isolated fireproof building, if feasible. Store away from incompatible materials. Keep storage area separate from populated work areas. Keep containers tightly closed. Wood and other organic materials should not be used on floors, structural materials or ventilation systems in the storage area. Keep product away from organic solvents and other products containing easily oxidized functional groups. Store in corrosive resistant container with a resistant in-liner.

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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.

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

Do not wear leather

Engineering controls:



Breathing equipment: Not normally needed when used in well ventilated area. Avoid mist and vapor. If ventilation is not sufficient to effectively prevent buildup of aerosols or mists, appropriate NIOSH/MSHA respiratory protection must be provided. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever work place conditions warrant a respirator's use

Protection of hands: Gloves are recommended

Material of gloves: PVC, neoprene, or butyl. Do not wear leather gloves

Penetration time of glove material: Not available

Eye protection: Safety glasses recommended

Body protection: Fire retardant work cloths recommended. Wash clothing after use. Handle in accordance with good industrial hygiene and safety practice. If clothing becomes contaminated, keep wet until washed.

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: Clear to amber

Odor: Mild

Odor threshold: Not determined

pH value: 7-8

Melt point/ range: 32 °F (0 °C)

Boiling point/ range: Not applicable (decomposes at 265 °C)

Flash point: Not applicable

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Flammability (solid, gaseous): Not applicable

Auto-ignition temp: Not determined

Decomposition temperature: 265 C

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: 1.64 g/cc

Vapor density: Same as water

Evaporation rate: Same as water

Solubility/miscibility with water: Soluble

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

Viscosity: Not determined

Solvent content:

VOC (California): 0 %

Other information: No further relevant information available

10. STABILITY AND REACTIVITY

Reactivity

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, dust generation, incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC 50 values that are relevant for classification: N/A

Primary irritant effect

On skin: Can cause irritation

On eyes: Can cause irritation

Sensitization: No sensitizing effects known

Sub-acute to chronic toxicity: Harmful if swallowed. This material may produce methemoglobin which, in sufficient concentration, causes cyanosis, a blue-gray discoloration of the skin and lips caused by a reduced ability of the blood to carry oxygen. Ingesting large quantities can cause abdominal pain, nausea, and diarrhea, possibly with dark blood, cyanosis, possibly progressing to headache, difficulty in breathing, dizziness, seizures, or coma. Overexposure causes kidney and liver damage. Non-occupational ingestion has produced death.

Additional toxicological information: May cause thyroid damage based on animal data. Based on epidemiological studies, pre-existing respiratory system, digestive tract, blood and kidney disorders may be aggravated by prolonged exposure to high concentrations of sodium chlorates.

Carcinogenic categories

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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: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. This material is a non-specific herbicide, which will destroy the vegetation.

Persistence and degradability: The product is degraded completely by abiotic reduction.

Behavior in environmental system

Bio-accumulative potential: The product is not expected to bio-accumulate

Mobility in soil: The product is water-soluble and may spread in water systems.

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

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. TRANSPORTATION INFORMATION

UN-Number: N/A

UN proper shipping name: N/A

Transport hazard class(s): N/A

Marine pollutant: Yes

Schedule B: 3808.93.0000

HS Code: 3808

15. REGULATORY INFORMATION

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

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

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

Carcinogenic Categories

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: NJ, MA, PA

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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