



Safety Data Sheet

GreenPIG Ultra™

Safety Data Sheet dated: 7/23/2015 - version 4

Date of first edition: 5/8/2015

1. IDENTIFICATION

Product identifier

Substance Identification:

Trade name: GreenPIG Ultra™

Other means of identification:

Trade code: 610

Recommended use of the chemical and restrictions on use

Recommended use: Industrial color additive

Restrictions on use: Not available

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Turfgrass Management, Inc. d/b/a Grigg Brothers

PO BOX 128

Albion, IDAHO (USA)

Phone: 1-208-673-6340 / Fax: 1-866-519-3265

Emergency telephone number

(CHEMTREC): 1-800-424-9300

2. HAZARD(S) IDENTIFICATION

This mixture has not been tested as a whole. It contains ingredients which could be released from the mixture in concentrations which would exceed an established OSHA permissible exposure limit or ACGIH Threshold Limit Value, or could present a health risk to employees.



Classification of the chemical

Carc. 2 Suspected of causing cancer if inhaled. This product contains carbon black. In it's original dry powder form, carbon black is known to cause respiratory issues and cancer in animals. As an aqueous dispersion, it is not expected to be an inhalation hazard under normal use. The customer is responsible for using proper personal protective equipment when using this product and understanding their requirements under OSHA based on their use of this product.

STOT RE 2 May cause damage to organs through prolonged or repeated exposure.

Label elements

Symbols:



Warning

Code

Description

H351.1 Suspected of causing cancer if inhaled. This product contains carbon black. In it's original dry powder form, carbon black is known to cause respiratory issues and cancer in animals. As an aqueous dispersion, it is not expected to be an inhalation hazard under normal use. The customer is responsible for using proper personal protective equipment when using this product and understanding their requirements under OSHA based on their use of this product.

H373 May cause damage to organs through prolonged or repeated exposure.

Code

Description

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P405	Store locked up.
P501	Dispose of contents/container in accordance with all applicable regulations.

Ingredient(s) with unknown acute toxicity:

None

Hazards not otherwise classified identified during the classification process:

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Hazard classification within the meaning of 29 CFR 1910.1200:

Mixtures

Not Available

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

List of components

Qty	Name	Ident. Numb.	Classification	Registration Number
7-10 %	VEGETABLE CARBON	CAS:1333-86-4 EC:215-609-9	Carc. 2, H351.A; STOT RE 01-2119384822-32-xxxx 2, H373.A	
1-3 %	ALCOHOLS C12-16, ETHOXYLATED	CAS:68551-12-2 EC:500-221-7	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2B, H320; STOT SE 3, H335	

4. FIRST AID MEASURES

Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing and shoes.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Immediately remove any contaminated clothing, shoes or stockings.

In case of eye contact:

Wash immediately with water.

In case of ingestion:

Do not induce vomiting, get medical attention showing the MSDS and label hazardous.

In case of inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

Not Available

Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:

Water, CO2, foam, chemical powders, according to the materials involved in the fire.

In case of fire, use foam, dry chemical, CO2.

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: Not Available

Explosive properties: Not Available

Oxidising properties: Not Available

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Wear personal protection equipment.
- Remove persons to safety.
- See protective measures under point 7 and 8.

Methods and material for containment and cleaning up

- Suitable material for taking up: dry and inert absorbing material (e.g. vermiculite, sand, earth).
- Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

- Avoid contact with skin and eyes, inhalation of vapours and mists.
- Exercise the greatest care when handling or opening the container.
- Don't use empty container before they have been cleaned.
- Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
- Contaminated clothing should be changed before entering eating areas.
- Do not eat or drink while working.
- See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Storage temperature: Not Available

Incompatible materials:

- None in particular.

Instructions as regards storage premises:

- Adequately ventilated premises.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Community Occupational Exposure Limits (OEL)

Component	OEL Type	Country	Long Term mg/m ³	Long Term ppm	Short Term mg/m ³	Short Term ppm	Notes
VEGETABLE CARBON	OSHA		3.5				
	ACGIH		3				A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans;bronchitis;

Appropriate engineering controls: Not Available

Individual protection measures

Eye/face protection:

- Use close fitting safety goggles, don't use eye lens.

Skin protection:

- Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or synthetic rubber.

Hand protection:

- Use protective gloves that provide comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

- Use adequate protective respiratory equipment, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

- Physical State Liquid
- Appearance: Liquid,
- Odour: Not Available
- Odour threshold: Not Available
- pH: 9.00
- Melting point/ range: Not Available
- Boiling point/ range: Not Available
- Flash point: > 100°C / 212°F
- Evaporation rate: Not Available
- Upper/lower flammability or explosive limits: Not Available
- Vapour density: Not Available
- Vapour pressure (20°C): Not Available
- Density (20°C): Not Available
- Water solubility: Not Available

Lipid solubility: Not Available
Partition coefficient (n-octanol/water): Not Available
Auto-ignition temperature: Not Available
Decomposition temperature: Not Available
Viscosity (20°C): Not Available
Explosive properties: Not Available
Oxidising properties: Not Available
Flammability (Solid, Gas): Not Available

Other information

Substance group relevant properties: Not Available
Miscibility: Not Available
Fat Solubility: Not Available
Conductivity: Not Available

10. STABILITY AND REACTIVITY

Reactivity

Data not Available.

Chemical stability

Data not Available.

Possibility of hazardous reactions

Burning produces carbon monoxide and/or carbon dioxide.

Conditions to avoid

Data not Available.

Incompatible materials

Data not Available.

Hazardous decomposition products

Data not Available.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological Information of the Preparation

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

VEGETABLE CARBON	b) skin corrosion/irritation	Skin Irritant Rabbit No	
	c) serious eye damage/irritation	Eye Irritant Rabbit No	
	a) acute toxicity	LD50 Oral Rat > 15400mg/kg	
ALCOHOLS C12-16, ETHOXYLATED	c) serious eye damage/irritation	Eye Irritant Yes	Risk of serious damage to eyes.
	a) acute toxicity	LD50 Oral Rat < 2000.00000mg/kg	The value is estimated from tests on similar products.

TOXICITY_APPENDIX_DESCR_GEN

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

Substance(s) listed on the IARC Monographs:

VEGETABLE CARBON Group 2B

Substance(s) listed as OSHA Carcinogen(s):

VEGETABLE CARBON

Substance(s) listed as NIOSH Carcinogen(s):

VEGETABLE CARBON

Substance(s) listed on the NTP report on Carcinogens:

None

12. ECOLOGICAL INFORMATION

Toxicity

Adopt good working practices, so that the product is not released into the environment.

Persistence and degradability

Persistence/Degradability: Not Available

Bioaccumulative potential

Bioaccumulative: Not Available

Mobility in soil

Mobility in soil: Not Available

Other adverse effects

Not Available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules). Do not dump into sewers, any body of water or onto the ground.

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

UN number

ADR-UN number: N/A

DOT-UN Number: N/A

IATA-Un number: N/A

IMDG-Un number: N/A

UN proper shipping name

ADR-Shipping Name: N/A

DOT Proper Shipping Name: N/A

IATA-Technical name: N/A

IMDG-Technical name: N/A

Transport hazard class(es)

ADR-Class: N/A

DOT Hazard Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

Packing group

ADR-Packing Group: N/A

Exempted for ADR: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

Environmental hazards

Marine pollutant: No

Environmental Pollutant: Not Available

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Available

Special precautions

Department of Transportation (DOT/TDG):

DOT-Special Provision(s): N/A

DOT Label(s): N/A

DOT Symbol: N/A

DOT Cargo Aircraft: N/A

DOT Passenger Aircraft: N/A

DOT Bulk: N/A

DOT Non-Bulk: N/A

Road and Rail (ADR-RID):

ADR-Label: N/A
ADR-Upper number: N/A
ADR Tunnel Restriction Code: N/A

Air (IATA):

IATA-Passenger Aircraft: N/A
IATA-Cargo Aircraft: N/A
IATA-Label: N/A
IATA-Sub Risk: N/A
IATA-Erg: N/A
IATA-Special Provisioning: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A
IMDG-Stowage Note: N/A
IMDG-Sub Risk: N/A
IMDG-Special Provisioning: N/A
IMDG-Page: N/A
IMDG-Label: N/A
IMDG-EMS: N/A
IMDG-MFAG: N/A

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory:

All the components are listed on the TSCA inventory

TSCA listed substances:

VEGETABLE CARBON is listed in TSCA Section 8b

ALCOHOLS C12-16, ETHOXYLATED is listed in TSCA Section 8b

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances:

no substances listed

Section 304 - Hazardous substances:

no substances listed

Section 313 - Toxic chemical list:

no substances listed

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA:

no substances listed

CAA - Clean Air Act

CAA listed substances:

no substances listed

CWA - Clean Water Act

CWA listed substances:

no substances listed

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

VEGETABLE CARBON Listed as carcinogen

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

VEGETABLE CARBON

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

VEGETABLE CARBON

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

VEGETABLE CARBON

L1. This product contains a chemical that is on the Proposition 65 list of chemicals known to the State of California to cause cancer (carbon black). However, a Proposition 65 warning is required for carbon black only when it is present in the form of airborne, unbound particles of respirable size (mass median aerodynamic diameter 10 microns or smaller). Per the State of California, exposure to carbon black for the purposes of Proposition 65 does not occur when it remains bound within a product matrix, such as rubber, ink or paint (http://www.oehha.org/prop65/prop65_list/files/22103not.pdf). Because the carbon black contained in this product is bound within a liquid dispersion matrix, a Proposition 65 warning is not applicable to this product in its supplied form. The customer is responsible for determining whether its use of this product could result in exposure of any person(s) to airborne, unbound carbon black particles of respirable size and for providing any required Proposition 65 warning to any such person(s).

CANADA:

DSL-list (Canada)

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

16. OTHER INFORMATION

Code	Description
H302	Harmful if swallowed.
H315	Causes skin irritation.
H320	Causes eye irritation
H335	May cause respiratory irritation.
H351.1	Suspected of causing cancer if inhaled. This product contains carbon black. In it's original dry powder form, carbon black is known to cause respiratory issues and cancer in animals. As an aqueous dispersion, it is not expected to be an inhalation hazard under normal use. The customer is responsible for using proper personal protective equipment when using this product and understanding their requirements under OSHA based on their use of this product.
H351.A	Suspected of causing cancer if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H373.A	May cause damage to organs through prolonged or repeated exposure if inhaled.

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The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
- RID: Regulation Concerning the International Transport of Dangerous Goods by Rail
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA)
- ICAO: International Civil Aviation Organization
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals
- CLP: Classification, Labeling, Packaging
- EINECS: European Inventory of Existing Commercial Chemical Substances
- INCI: International Nomenclature of Cosmetic Ingredients
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- GefStoffVO: Ordnance on Hazardous Substances, Germany
- LC50: Lethal concentration, for 50 percent of test population
- LD50: Lethal dose, for 50 percent of test population
- DNEL: Derived No Effect Level
- PNEC: Predicted No Effect Concentration
- TLV: Threshold Limiting Value
- TWATLV: Threshold Limiting Value for the Time Weighted Average 8 hour day.(ACGIH Standard)
- STEL: Short Term Exposure limit

STOT: Specific Target Organ Toxicity

WGK: German Water Hazard Class

KSt: Explosion coefficient

Paragraphs modified from the previous revision:

- 1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 4. FIRST AID MEASURES
- 6. ACCIDENTAL RELEASE MEASURES
- 7. HANDLING AND STORAGE
- 11. TOXICOLOGICAL INFORMATION
- 16. OTHER INFORMATION