



## MATERIAL SAFETY DATA SHEET

### 1. Product and Company Identification

**Material name** TERRAGREEN KICK PLUS  
**Product number** 201038  
**Company information** Brulin & Company, Inc.  
P.O. Box 270  
Indianapolis, IN 46206 US  
www.Brulin.com  
**Emergency** CHEMTREC 1-800-424-9300  
**General information** Phone: 317-923-3211  
Fax: 317-925-4596

### 2. Hazards Identification

**Emergency overview** Contact may irritate or burn eyes. Contact with skin may cause irritation.  
**Potential health effects**  
**Eyes** Irritating to eyes. Avoid contact with eyes.  
**Skin** Prolonged or repeated contact will cause irritation.  
**Inhalation** Not a likely route of entry. Low vapor pressure makes inhalation unlikely at standard temperatures and pressures. Inhalation of mist causes irritation of respiratory system.  
**Ingestion** Do not ingest. May be harmful if swallowed.

### 3. Composition / Information on Ingredients

Non-hazardous components	CAS #	Percent
UREA, MONOHYDROCHLORIDE	506-89-8	< 5
Other components below reportable levels		< > 90

**Composition comments** The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

### 4. First Aid Measures

**First aid procedures**  
**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do.  
**Skin contact** Wash with soap and water. Launder contaminated clothing before reuse.  
**Ingestion** Have victim rinse mouth thoroughly with water. If swallowed, do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.  
**Inhalation** Move to fresh air. Oxygen or artificial respiration if needed.  
**General advice** In case of shortness of breath, give oxygen. Keep victim warm. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. Fire Fighting Measures

**Flammable properties** Not flammable but at temperatures above 60°C/140°F acid action on most metals may release hydrogen, a highly flammable and explosive gas.  
**Extinguishing media**  
**Suitable extinguishing media** Water. Water Fog. Dry chemical powder. Foam. Carbon dioxide (CO<sub>2</sub>).  
**Specific methods** Use water spray to cool unopened containers.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unnecessary personnel away. Stay upwind. Keep out of low areas.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for containment</b>	Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	After removal flush contaminated area thoroughly with water. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

## 7. Handling and Storage

<b>Handling</b>	Do not get this material in contact with eyes. Wash thoroughly after handling. Handle and open container with care.
<b>Storage</b>	Keep container tightly closed. Keep out of the reach of children. Use care in handling/storage. Keep at temperatures below 48 °C.

## 8. Exposure Controls / Personal Protection

<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Do not get this material in contact with eyes. Safety glasses.
<b>Skin protection</b>	Use impervious gloves.
<b>Respiratory protection</b>	No personal respiratory protective equipment normally required. Do not breathe dust or spray mist.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical & Chemical Properties

<b>Appearance</b>	liquid clear
<b>Color</b>	blue
<b>Odor</b>	citrus/floral, fragrance added
<b>Odor threshold</b>	Not available.
<b>Form</b>	viscous liquid
<b>pH</b>	< 1 (the product is RTU)
<b>Freezing point</b>	< 32 °F (< 0 °C)
<b>Boiling point</b>	212 °F (100 °C)
<b>Flash point</b>	None to boiling Pensky-Martens Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	1.016
<b>Solubility (water)</b>	complete
<b>VOC</b>	0 %

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable up to 110 °C.
<b>Conditions to avoid</b>	Avoid temperatures above 230 °F (110 °C).
<b>Incompatible materials</b>	Oxidizing agents. Decomposes by reaction with alkaline solutions. Contact with hypochlorites, chlorine bleach, sulfides, or cyanides will liberate toxic gases. At temperatures above 60 °C/140 °F acid action on most metals may release hydrogen, a highly flammable and explosive gas.

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**Hazardous decomposition products** Carbon monoxide and carbon dioxide. Nitrogen oxides (NOx).

**Possibility of hazardous reactions** Will not occur.

## 11. Toxicological Information

**Acute effects** Eye irritation

**Skin corrosion/irritation** Non corrosive to the Skin:(as defined and tested in accordance with the U.S. OSHA's Hazard Communication Standard, Dot Hazardous Material Regulations, Canada's WHMIS regulations and TDG Regulations. Classified as a mild skin irritant as per the 1992 OECD Guideline for Testing of Chemicals, Number 404 "Acute Dermal Irritation/Corrosion")

## 12. Ecological Information

**Ecotoxicity** This material is not expected to be harmful to aquatic life.

## 13. Disposal Considerations

**Waste codes** D002: Waste Corrosive material [pH  $\leq$ 2 or  $\geq$ 12.5, or corrosive to steel]

**Disposal instructions** Dispose in accordance with all applicable regulations.

## 14. Transport Information

### DOT

Not regulated as hazardous goods.

### IATA

#### Basic shipping requirements:

**Proper shipping name** FORBIDDEN BY AIR

**Hazard class** Forbidden

### IMDG

#### Basic shipping requirements:

**Proper shipping name** CORROSIVE LIQUID, NOS (UREA, MONOHYDROCHLORIDE)

**Hazard class** 8

**UN number** UN1760

**Packing group** III

### ICAO

#### Basic shipping requirements:

**Proper shipping name** FORBIDDEN BY AIR

**Hazard class** Forbidden



IMDG

**General** \*Note: This material is corrosive to Aluminum only. Non-Corrosive to Skin & Mild Steel.

## 15. Regulatory Information

**US federal regulations** CERCLA/SARA Hazardous Substances - Not applicable.

**CERCLA (Superfund) reportable quantity**  
None

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## Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories**  
Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

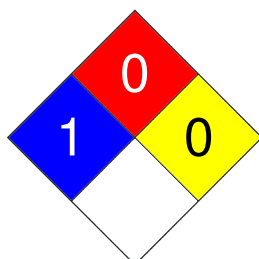
**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

## 16. Other Information

HMIS rating

Health	/ 1
Flammability	0
Physical Hazard	0
Personal Protection	B

NFPA codes



### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

### Issue date

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