



Safety Data Sheet

Issue Date: 01-Sep-2010

Revision Date: 16-Aug-2013

Version 1

1. IDENTIFICATION

Product Identifier

Product Name True Grit Oven & Grill Cleaner

Other means of identification

SDS # BDS-009

UN/ID No UN3266

Recommended use of the chemical and restrictions on use

Recommended Use Grill cleaner.

Details of the supplier of the safety data sheet

Supplier Address

Bi-State Detergent Systems, Inc
3207 Bear Tooth Court
Bettendorf, IA 52722

Emergency Telephone Number

Company Phone Number 1-563-355-6269 (Phone)

1-563-355-6607 (Fax)

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Water white liquid

Physical State Liquid

Odor Characteristic

Classification

| | |
|-----------------------------------|---------------------------|
| Acute toxicity - Oral | Category 4 |
| Skin corrosion/irritation | Category 1 Sub-category C |
| Serious eye damage/eye irritation | Category 1 |

Signal Word

Danger

Hazard Statements

Harmful if swallowed

Causes severe skin burns and eye damage

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not breathe dust/fume/gas/mist/vapors/spray
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Immediately call a poison center or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a poison center or doctor/physician
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a poison center or doctor/physician
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Rinse mouth
Do not induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Harmful to aquatic life with long lasting effects
Harmful to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|-----------------------|-------------|----------|
| Proprietary Detergent | Proprietary | 15-25 |
| Proprietary Detergent | Proprietary | 3-7 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**First Aid Measures****General Advice**

Immediately call a poison center or doctor/physician.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

Skin Contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash skin with soap and water. DO NOT attempt to neutralize with chemical agents. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

| | |
|-------------------|---|
| Inhalation | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Wash mouth and nasal passages with water repeatedly. Immediately call a poison center or doctor/physician. |
| Ingestion | IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Drink plenty of water or milk immediately. Give diluted vinegar or lemon juice to conscious person. Call a physician or poison control center immediately. |

Most important symptoms and effects

| | |
|-----------------|---|
| Symptoms | Causes severe skin burns and eye damage. May cause severe eye irritation and pain associated with redness and swelling of the conjunctiva. Prolonged skin contact may cause moderate reddening, swelling and possible necrosis. Corrosive and irritating to upper respiratory tract and mucous membranes; may cause headache, dizziness, nausea, vomiting and malaise. May cause severe burns and tissue perforation to digestive tract and mucous membranes; may cause gastric distress, stomach pains and vomiting. Moderately toxic. May result in red blood cell hemolysis. Overexposure may aggravate pre-existing disorders of the eyes, skin and respiratory system. |
|-----------------|---|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Carbon dioxide (CO₂). Water. Water spray (fog). Dry chemical. Chemical foam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Non-flammable.

Hazardous Combustion Products Smoke, fumes or vapors, and oxides of carbon. Hydrocarbons.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Water may be used to cool containers to prevent pressure build up. CAUTION - material is corrosive.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

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|----------------------------------|--|
| Personal Precautions | Use personal protective equipment as required. CAUTION - material is corrosive. |
| Environmental Precautions | See Section 12 for additional Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS. |

Methods and material for containment and cleaning up

| | |
|--------------------------------|---|
| Methods for Containment | Prevent further leakage or spillage if safe to do so. |
| Methods for Clean-Up | Small spills may be permitted to be flushed to a sanitary sewer. Check with local authorities before proceeding. Large spills-confine spill, soak up with approved absorbent, and shovel product into approved container for disposal. For spills in excess of allowable limits (RQ) notify the National Response Center (800) 424-8802; refer to 40 CFR 302 for detailed instructions concerning reporting requirements. |

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

CAUTION - material is corrosive. Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect container from physical damage. Protect from extreme temperatures. Keep out of the reach of children. Store locked up.

Incompatible Materials

Strong oxidizers. Strong acids. Strong alkalis.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|-----------------------|------------------------------|--|--|
| Proprietary Detergent | Ceiling: 2 mg/m ³ | (vacated) Ceiling: 2 mg/m ³ | Ceiling: 2 mg/m ³ |
| Proprietary Detergent | TWA: 20 ppm | TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S* S* | IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³ |

Appropriate engineering controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits. Use mechanical ventilation. Local exhaust is required. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Chemical anti-splash safety goggles.

Skin and Body Protection

Neoprene, butyl or nitrile rubber gloves with cuffs. Coveralls, apron or other equipment should be worn to minimize skin contact.

Respiratory Protection

No respiratory protection is necessary during normal use conditions. In the case of insufficient ventilation or if exposure limits are exceeded, use a suitable NIOSH/MSHA respiratory device.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|--------------------|-----------------------|----------------|
| Physical State | Liquid | Odor | Characteristic |
| Appearance | Water white liquid | Odor Threshold | Not determined |
| Color | Water white | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|-----------------------|-------------------------|
| pH | 14.0 | |
| Melting Point/Freezing Point | Not determined | |
| Boiling Point/Boiling Range | 100 °C / 212 °F | |
| Flash Point | Non-flammable | |
| Evaporation Rate | < 1 | (Water = 1) |
| Flammability (Solid, Gas) | Liquid-not applicable | |
| Upper Flammability Limits | Not applicable | |
| Lower Flammability Limit | Not applicable | |
| Vapor Pressure | 17 mmHg | @ 20 C |
| Vapor Density | >1 | (Air=1) |
| Specific Gravity | 1.092 | (1=Water) |
| Water Solubility | Completely soluble | |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Auto-ignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | None known | |
| Oxidizing Properties | Not determined | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Extreme temperatures.

Incompatible Materials

Strong oxidizers. Strong acids. Strong alkalis.

Hazardous Decomposition Products

Decomposition will not occur if handled and stored properly. In case of fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

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|---------------------|----------------------------------|
| Eye Contact | Causes severe eye damage. |
| Skin Contact | Causes severe skin burns. |
| Inhalation | Avoid breathing vapors or mists. |
| Ingestion | Harmful if swallowed. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-----------------------------|----------------------|---|---|
| Proprietary Detergent | = 214 mg/kg (Rat) | - | - |
| Proprietary chelating agent | = 1700 mg/kg (Rat) | - | - |
| Proprietary Detergent | = 470 mg/kg (Rat) | = 2270 mg/kg (Rat) = 220 mg/kg (Rabbit) | = 2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4 h |
| Proprietary Surfactant | = 7200 mg/kg (Rat) | - | - |

Information on physical, chemical and toxicological effects

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|-----------------|--|
| Symptoms | Please see section 4 of this SDS for symptoms. |
|-----------------|--|

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|------------------------|--|
| Carcinogenicity | Group 3 IARC components are "not classifiable as human carcinogens". |
|------------------------|--|

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|-----------------------|-------|---------|-----|------|
| Proprietary Detergent | A3 | Group 3 | | |

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Component Information

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|-----------------------------|--|---|----------------------------|--|
| Proprietary Detergent | | 80: 96 h Gambusia affinis mg/L LC50 static | | |
| Proprietary chelating agent | 1.01: 72 h Desmodesmus subspicatus mg/L EC50 | 34 - 62: 96 h Lepomis macrochirus mg/L LC50 static 44.2 - 76.5: 96 h Pimephales promelas mg/L LC50 static | | 113: 48 h Daphnia magna mg/L EC50 Static |
| Proprietary Detergent | | 1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50 | | 1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 |

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

| Chemical Name | Partition Coefficient |
|-----------------------|-----------------------|
| Proprietary Detergent | 0.83 |
| Proprietary Detergent | 0.81 |

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

| Chemical Name | California Hazardous Waste Status |
|-----------------------|-----------------------------------|
| Proprietary Detergent | Toxic Corrosive |

14. TRANSPORT INFORMATION**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

| | |
|----------------------|--|
| UN/ID No | UN3266 |
| Proper Shipping Name | Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide) |
| Hazard Class | 8 |
| Packing Group | III |

IATA

| | |
|----------------------|--|
| UN/ID No | UN3266 |
| Proper Shipping Name | Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide) |
| Hazard Class | 8 |
| Packing Group | III |

IMDG

| | |
|----------------------|--|
| UN/ID No | UN3266 |
| Proper Shipping Name | Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide) |
| Hazard Class | 8 |
| Packing Group | III |

15. REGULATORY INFORMATION

International Inventories

Not determined

US Federal Regulations

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|-----------------------|--------------------------|----------------|---|
| Proprietary Detergent | 1000 lb | | RQ 1000 lb final RQ RQ 454 kg final RQ |

SARA 311/312 Hazard Categories

Not determined

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|-------------------------|--------|----------|-------------------------------|
| Proprietary Detergent - | | 3-7 | 1.0 |

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Component | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|------------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Proprietary Detergent (15-25) | 1000 lb | | | X |

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------|------------|---------------|--------------|
| Proprietary Detergent | X | X | X |
| Proprietary chelating agent | X | X | X |
| Proprietary Detergent | X | X | X |

16. OTHER INFORMATION**NFPA****Health Hazards**

Not determined

Flammability

Not determined

Instability

Not determined

Special Hazards

Not determined

HMIS**Health Hazards**

1

Flammability

0

Physical Hazards

0

Personal Protection

Not determined

Issue Date: 01-Sep-2010**Revision Date:** 16-Aug-2013**Revision Note:** New format**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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. 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.

End of Safety Data Sheet