SAFETY DATA SHEET



1. IDENTIFICATION

Product identifier

Product Name

BSI-215 Non-VOC Biodegradable Degreaser

Other means of identification Extra Strength degreaser

Recommended Uses Extra Strength degreaser

Distributor Address

Best Sanitizers, Inc. PO Box 1360 Penn Valley, CA 95946 Toll Free: 888-225-3267

Emergency telephone number

Emergency Phone Numbers

ChemTrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR1910.1200). Warnings below are for exposure to large quantities of the product. Normal usage should not create hazardous conditions.

0		0 1	 0		
Serious eye dama	age/irritation			Category 2B	

Signal word

Warning

Hazard statements Causes eye irritation.

Appearance Aqueous solution

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Precautionary Statements - Storage

Not applicable.

Precautionary Statements - Disposal

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

Hazards not otherwise classified (HNOC)

Not Applicable

Other Information

*Very toxic to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %	Trade Secret
Water	7732-18-5	84-94	
Pentanedioic acid, 2-methyl-, 1,5-dimethyl ester	14035-94-0	2-7	
Alcohols, C9-11-iso-, C10-rich, ethoxylated	78330-20-8	2-7	
Trade Secret 1	Proprietary	0.5-1.0	*
Trade Secret 2	Proprietary	0.5-0.9	*
Trade Secret 3	Proprietary	0.3-0.7	*
Ethyl Alcohol	64-17-5	<0.07	

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measuresEye ContactHold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove
contact lenses, if present, after first 5 minutes, then continue rinsing eye(s). Seek
immediate medical advice/ attention.Skin ContactWash off immediately with soap and plenty of water. Wash contaminated clothing and shoes
before reuse. Get medical attention if irritation develops and persists.InhalationRemove to fresh air. Administer oxygen if breathing is difficult. Call a physician if necessary.IngestionDo NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an
unconscious person. Call a physician immediately.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects

See Section 11 for symptom information

Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry Chemical. Water spray (fog), Carbon dioxide (CO2), Foam.

Unsuitable Extinguishing Media

No Information available.

Specific Hazards Arising from the Chemical

No information available. <u>Hazardous combustion products:</u> No information available.

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. Cool containers with flooding quantities of water until well after fire is out. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas.			
For emergency responders	Isolate area. Keep unnecessary personnel away.			
Environmental precautions				
Environmental Precautions	See Section 12 for additional ecological information. Prevent entry into waterways, sewers, basements or confined areas.			
Methods and material for containment and cleaning up				
Methods for Containment	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non- combustible absorbent material and place in container for disposal according to local/national regulations (See Section 13).			
Methods for Cleaning Up	Spilled material will make surfaces slippery. Collect spillage. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water.			

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Use only in well-ventilated areas. Avoid breathing vapors or mists. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

Strong oxidizing agents. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m3	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m3

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Appropriate engineering controls

Engineering Controls	Showers, eyewash stations, ventilation system.	
Individual protection measures. su	ch as personal protective equipment	
Eye/Face Protection	Wear safety glasses with side shields (or goggles).	
Skin and Body Protection	Wear protective NeopreneTM gloves. Rubber gloves. Normal work clothing (long sleeved shirt and long pants is recommended.	
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.	
Hygiene Measures	Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not Eat, Drink or Smoke when using this product.	

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Formula	See Section 3		
Physical State Appearance Color <u>Propertv</u> pH	Liquid Aqueous solution Clear to slightly hazy. <u>Values</u> 6.5	Odor Odor Threshold <u>Remarks/ Method</u> +/- 1 @ 21°C	Mild No information available
Melting/freezing point	~0°C / ~32° F	None known	

Boiling point / boiling range Flash Point Evaporation rate Flammability (solid, gas) Flammability Limits in Air Upper flammability limit Lower flammability limit Vapor pressure Vapor density **Specific Gravity** Water Solubility Solubility in other solvents Partition coefficient: Autoignition temperature Decomposition temperature Kinematic viscosity Dynamic viscosity

No information available. None known Not Flammable N/A <1 No data available 1.008 g/cc Soluble in water. No data available No data available

None known None known

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions..

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

None known.

Incompatible materials

Strong oxidizing agents. Strong acids.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	None under normal use conditions.
Eye Contact	Irritating to eyes. Extended eye exposure may result in corneal damage.
Skin Contact	Prolonged contact may cause irritation.
Ingestion	Harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Alcohol 64-17-5	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (rat) 4 h
Trade Secret 2	= 22 g/kg (Rat) = 28 g/kg (Rat)	>20 mL/kg (Rabbit) >20 g/kg (Rabbit)	-
Trade Secret 3	= 1900 mg/kg (Rat)	>10000 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure Sensitization No Information Available

Germ cell mutagenicity

No Information Available

Carcinogenicity	Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.
Reproductive toxicity	No Information Available
STOT single exposure	No Information Available
STOT repeated exposure	No Information Available
Aspiration Hazard	No Information Available

Numerical measures of toxicity –Product Information

Unknown Acute Toxicity 9% of the mixture consists of ingredient(s) of unknown toxicity.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol 64-17-5	A3	-	KNOWN	Х

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

12. Ecological Data

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

10.25% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Chemical Name	Fish	Crustacea
Trade Secret 3	20-40: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 24: 96 h Oncorhynchus mykiss mg/L LC50 static 37: 96 h Lepomis macrochirus mg/L LC50 static	36:48 h Daphnia magna mg/L EC50
Trade Secret 2	5000:24 h Carassius auratus mg/L LC50	-
Ethyl Alcohol 64-17-5	12.0-16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400-15100: 96 h Pimephales promelas mg/L LC50 flow- through	9268-14221:48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50

Persistence and Degradability

No Information Available.

Bioaccumulation

Chemical Name	Partition Coefficient	
Ethyl Alcohol 64-17-5	-0.32	

<u>Mobility</u>

Soluble in water.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

<u>Disposal methods</u>

Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations. Dispose of in accordance with federal, state and local regulations.

Contaminated packaging

Chemical Name	California Hazardous Waste Status
Ethyl Alcohol 64-17-5	Toxic; Ignitable

Toxic; Corrosive

14. TRANSPORT INFORMATION

DOT

Not Regulated by US DOT

15. REGULATORY INFORMATION

Chemical Inventories

TSCANo information availableDSL/NDSLNo information availableEINECS/EIINCSNo information availableTSCA - United States Toxic Substances Control Act Section 8(b) InventoryDSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR122.42

Chemical Name	CWA-Reportable Quantity	CWA-Toxic Pollutants	CWA-Priority Pollutants	CWA-Hazardous Substances
Sodium hypochlorite 7681-52-9	100 lbs	-	-	Х
Potassium hydroxide 1310-58-3	1000 lbs	-	-	Х
Sodium hydroxide 1310-73-2	1000 lbs	-	-	Х

CERCLA

This material, as supplied, does not contain any substances regulated as a hazardous substance under the Comprehensive Environment Response Compensation and Liability Act (CERCLS) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40CFR 355). There may be specific reporting requirements at the local, regional or state level pertaining to releases of this material.)

US State Regulations

California Proposition 65

Warning! This product may contain trace amounts of Acetaldehyde 75-07-0; 1,4-dioxane 123-91-1; Ethylene oxide 75-21-8; Methanol 67-56-1. Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

Chemical Name	California Proposition 65
Ethyl alcohol 64-17-5	Carcinogen; Developmental

U.S. State Right-to-Know Regulations

•	Chemical Name	New Jersey	Massachusetts	Pennsylvania
	Ethyl alcohol 64-17-5	Х	Х	Х

U.S. EPA Label Information EPA Pesticide Registration Number

Not Applicable

16. OTHER INFORMATION

<u>NFPA</u> Hea	alth Hazard 1	Flammability	0 Instability 0		Physical and Chemical Hazards
		· · · · · · · · · · · · · · · · · · ·			None
HMIS Hea	alth Hazard 1	Flammability 0	Physical Hazard	0	Personal Protection B (safety glasses; gloves)
Prepared By		Technical Department			
Preparation/Re	vision Date	January 1, 2025			
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General 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