

Safety Data Sheet

BSI-100 RTU All-Purpose Hard Surface Cleaner

Section 1

Product Description

Product Name: BSI-100 RTU All-Purpose Hard Surface Cleaner
Recommended Uses: Appliances, Stainless Steel, Chrome, Greasy Surfaces
Synonyms: Hard Surface Cleaner
Distributor: Best Sanitizers, Inc.
PO Box 1360 Penn Valley, CA 95946
Chemical Information Emergency:
Chemtrec 1.800.424.9300

Section 2

Hazard Identification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR1910.1200)

Serious eye damage/eye irritation
Skin corrosion/irritation

Category 1
Category 1

Danger



Hazard Statement

Causes severe skin burns and eye damage

Appearance—Aqueous solution

Physical State—Liquid

Odor—Lemon

Precautionary Statements—Prevention

Do not breathe dust/fume/gas/mist/vapors/spray.
Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements—Response

Immediately call a POISON CENTER or doctor/physician.
Specific treatment (See Section 4 on SDS for more information).
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 (hair) with water. Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

Precautionary Statements—Storage

Store Locked Up.

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Precautionary Statements—Disposal

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

Hazards not otherwise classified (HNOC)

Not Applicable

Section 3

Composition/Information on Ingredients

Chemical Name	CAS No.	Weight-%
Water	7732-18-5	93-97
Dipropylene glycol monomethyl ether	34590-94-8	1-3
Ethylenediaminetetraacetic acid tetrasodium salt	64-02-8	0.05-0.15
Trade Secret 1	Proprietary	1-2
Trade Secret 2	Proprietary	0.3-0.6
Trade Secret 3	Proprietary	0.3-0.6
Trade Secret 4	Proprietary	0.2-0.4
Trade Secret 5	Proprietary	0.1-0.3
Sodium hydroxide	1310-73-2	0.05-0.15

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

Section 4

First Aid Measures

First Aid Measures

Eye Contact

Hold 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 attention/advice.

Skin Contact

Wash off immediately with soap and plenty of water. Wash contaminated clothing and shoes before reuse. For severe burns, immediate medical attention is required.

Inhalation

Remove to fresh air. Administer oxygen if breathing is difficult. Consult a physician if necessary.

Ingestion

Do 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

Symptoms

See Section 11 for symptom information.

Indication of any immediate medical attention and special treatment needed

Note to physicians

Treat symptomatically.

Fire-Fighting Measures

Suitable Extinguishing Media

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

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Unsuitable extinguishing Media

No Information available.

Specific hazards arising from the chemical

No Information available.

Hazardous combustion products Carbon Monoxide

Explosion Data

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

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.

Section 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.

Environment Precautions

Environmental Precautions See Section 12 for additional ecological information.

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, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (See Section 13).

Methods for Cleaning up Collect spillage. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water.

Section 7

Handling and Storage

Precautions for safe handling

Advice on safe 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

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

Incompatible materials Strong oxidizing agents.

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Section 8

Protection Information

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dipropylene glycol monomethyl ether 34590-94-8	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 600 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m ³	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m ³ STEL: 150 ppm STEL: 900 mg/m ³
Sodium Hydroxide 1310-73-2	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³ (vacated) Ceiling : 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling : 2 mg/m ³

Appropriate Engineering Controls

Engineering Controls Showers, eyewash stations, ventilation system.

Individual Protection Measures, such as personal protective equipment

Eye/Face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear protective Neoprene™ gloves. Rubber gloves. Normal work clothing (long sleeved shirt and long pants) is recommended. Apron 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.
General Hygiene	Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated
Considerations	clothing and shoes before reuse. Do not Eat, Drink or Smoke when using this product.

Section 9

Physical and Chemical Properties

Information on basic physical and chemical properties

Formula:	See Section 3	Physical State:	Liquid
Odor:	Lemon	Appearance:	Aqueous solution
Odor Threshold:	No Information Available	Color:	Clear, Yellow

Property	Values	Remarks—Method
pH	12	± 1 @ 21°C
Melting Point/Freezing Point	-1.0°C / 30° F	
Boiling Point/Boiling Range	No information available	
Flash Point	> 93.3°C / > 200°F	Closed cup
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	

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Flammability Limit in Air

Upper flammability limit:

No information available

Lower flammability limit:

No information available

Vapor pressure:

No information available

Vapor density:

No information available

Specific Gravity

0.955 g/cc

Water solubility

Soluble in Water

Partition coefficient

No information available

Autoignition temperature

No information available

Decomposition temperature

No information available

Kinematic viscosity

No information available

Dynamic viscosity

No information available

Explosive properties

No information available

Oxidizing properties

No information available

Section 10

Stability and Reactivity Data

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.

Hazardous Decomposition Products

Carbon Monoxide.

Section 11

Toxicity Data

Information on likely routes if exposure

Product Information

Inhalation

Inhalation of vapors in high concentration may cause irritation of respiratory system.

Eye Contact

Irritating to eyes. Extended eye exposure may result in corneal damage.

Skin Contact

Corrosive. Contact causes severe skin irritation and possible burns.

Ingestion

May be harmful if swallowed. Can burn mouth, throat, and stomach.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water, 7732-18-5	> 90 mL/kg (Rat)	-	-
Dipropylene glycol monomethyl ether 34590-94-8	= 5400 µL/kg (Rat)	= 9500 mg/kg (Rabbit)	-
Sodium hydroxide 1310-73-2	-	= 1350 mg/kg (Rabbit)	-
Trade Secret 1	= 2100 mg/kg (Rat)	-	-
Ethylenediaminetetraacetic acid tetrasodium salt 64-02-8	= 10 g/kg (Rat) = 1658 mg/kg (Rat)	-	-

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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 This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

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 0% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on Chapter 3.1 of the GHS document

Oral LD50 92360 mg/kg

Section 12 Ecological Information

Ecotoxicity

1.55737% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Dipropylene glycol monomethyl ether 34590-94-8	.	10000: 96 h Pimephales promelas mg/L LC50 static	1919: 48 h Daphnia magna mg/L LC50
Trade Secret 1	.	3.2: 96 h Pimephales promelas mg/L LC50	3.2: 48 h water flea mg/L EC50
Sodium hydroxide 1310-73-2	.	45.4: 96 h Oncorhynchus mykiss mg/L LC50 static	.
Ethylenediaminetetraacetic acid tetrasodium salt 64-02-8	1.01: 72h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochis mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static	.

Persistence and Degradability

No Information Available

Bioaccumulation

Chemical Name	Partition Coefficient
Dipropylene glycol monomethyl ether 34590-94-8	-0.064

Mobility

Soluble in water

Other adverse effects

No information available

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Section 13

Disposal Information

Waste treatment methods

Disposal of wastes

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

Contaminated packaging

Dispose of in accordance with federal, state and local regulations.

Chemical Name	California Hazardous Waste Status
Sodium hydroxide 1310-73-2	Toxic Corrosive

Section 14

Transport Information

Not Regulated by US DOT

Section 15

Regulatory Information

International Inventories

TSCA

No information available

DSL/NDSL

No information available

EINECS/ELINCS

No information available

Legend:

TSCA—United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL—Canadian Domestic Substances List/Non-Domestic Substances List

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

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization 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 contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

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Chemical Name	CWA- Reportable Quantities	CWA-Toxic Pollutants	CWA-Priority Pollutants	CWA-Hazardous Substances
Sodium hydroxide 1310-73-2	1000 lb	-	-	X

CERCLA

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

Chemical Name	Hazardous Substances RQs	CERCLAS/SARA RQ	Reportable Quantity (RQ)
Sodium hydroxide 1310-73-2	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

US State Regulations

California Proposition 65

Warning! This product may contain trace amounts of: Ethylene oxide 75-21-8; Nitritotriacetic acid, trisodium salt 5064-31-3; Formaldehyde 500-00-0.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Dipropylene glycol monomethyl ether 34590-94-8	X	X	X
Sodium hydroxide 1310-73-2	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

Section 16

Additional Information

NFPA	Health Hazards	Flammability	Instability	Physical and Chemical Properties
	1	0	0	None
HMIS	Health Hazards	Flammability	Physical Hazards	Personal protection
	1	0	0	B (safety glasses, gloves)

Prepared by: Technical Department

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Version 3

Revision Note New information on raw ingredient has become available

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.