

SAFETY DATA SHEET

1. SECTION 1: CHEMICAL/MIXTURE IDENTIFICATION

- 1.1 Product identifier**
Product Name Dude Bomb with Oxidative Power & All-Natural Cleaning Mixture.
CAS No.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified use(s) Toilet bowl deodorizer and cleaner
Uses advised against None known.
- 1.3 Details of the supplier of the product**
Company Identification LightBox Laboratories
1121 E. Broadway St.
Missoula, MT 59802

Telephone (203) 308-8509 [M-F 8:30am-4:30pm UTC -6]
- 1.4 Emergency Contact Information**
Emergency telephone number (203) 308-8509 [M-F 8:30am-4:30pm UTC -6]

2. SECTION 2: HAZARDS IDENTIFICATION

"Consumer Products", defined by the US Consumer Product Safety Act and are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided to assist in the safe handling and proper use of the product.

2.1 Classification of the substance or mixture

OSHA: GHS 29 CFR 1910.1200
Acute toxicity oral Category 4
Skin corrosion/irritation Category 2
Eye damage/irritation Category 2A
Sensitization, skin Category 1B
Hazardous to the aquatic environment, acute Category 3
Hazardous to the aquatic environment, chronic Category 3

2.2 Label elements

Hazard pictogram(s)



Signal word(s)
Hazard statement(s)

Warning

H302 - Harmful if swallowed
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H317 - May cause an allergic skin reaction
H402 - Harmful to aquatic life
H412 - Harmful to aquatic life with long lasting effects

Precautionary statement(s)

Avoid breathing dust/fume/gas/mist/vapors/spray.
Avoid release into the environment.
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 attention.

IF SWALLOWED: Drink plenty of water. Call poison control if person feels unwell.

IF ON SKIN: Rinse with plenty of water. If skin irritation occurs, get medical attention.

2.3 Other hazards None.

2.4 Additional Information None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

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Ingredient(s)	%W/W	CAS No.
Sodium bicarbonate	30.0-50.0	144-55-8
Sodium carbonate	10.0-20.0	497-19-8
Citric acid	2.0-8.0	77-92-9
Fragrance	2.0-8.0	Mixture
Propylene glycol	2.0-8.0	57-55-6
Silicon dioxide, amorphous	2.0-8.0	112926-00-8
Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	2.0-8.0	15630-89-4
Sodium lauryl sulfate	2.0-8.0	68585-47-7
Dye	0.05-0.20	162874-54-6

3.2 Additional Information

None.

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, get medical attention.

Skin Contact

Wash with plenty of soap and water. If irritation develops, get medical attention.

Eye Contact

Flush eyes with water for at least 15 minutes while holding eyelids open. If irritation develops, get medical attention.

Ingestion

Give plenty of water to drink. Do NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

Water spray, foam, dry powder or CO₂.

Unsuitable Extinguishing Media

None known.

5.2 Special hazards arising from the substance or mixture

None anticipated.

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Caution - spillages may be slippery. Ensure adequate ventilation. Wear personal protective equipment.

6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

6.3	Methods and material for containment and cleaning up	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
6.4	Reference to other sections	See Also Section: 8, 13.

7. SECTION 7: HANDLING AND STORAGE

General hygiene measures for the handling of chemicals are applicable.

7.1	Precautions for safe handling	Wear suitable personal protective equipment. Wash hands and exposed skin after use. Do not eat, drink or smoke when using this product.
7.2	Conditions for safe storage, including any incompatibilities	Keep in a cool, well ventilated place.
	Storage Temperature	Ambient.
	Storage Life	Stable under normal conditions.
	Incompatible materials	None know.
7.3	Specific end use(s)	Detergent.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control parameters	
8.1.1	Occupational Exposure Limits	No applicable occupational exposure limits.
Source: WEL: Workplace Exposure Limit (UK HSE EH40)		
8.1.2	Biological limit value	Not established.
8.1.3	PNECs and DNELs	Not established.
8.2	Exposure controls	
8.2.1	Appropriate engineering controls	Provide adequate ventilation.
8.2.2	Personal protection equipment	
	Eye/face protection	Wear protective eye glasses for protection against liquid splashes.
		
	Skin protection (Hand protection/ Other)	Wear suitable gloves if prolonged skin contact is likely. Wear impervious gloves (EN374). Wash contaminated clothing before reuse.
		
	Respiratory protection	Normally no personal respiratory protection is necessary.
		
	Thermal hazards	Not applicable.
8.2.3	Environmental Exposure Controls	Do not release large quantities into the surface water or into drains.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties	
	Appearance	Powder
	Color	White/off-white
	Odor	Scented
	Odor Threshold	Not established
	pH	6-8
	Melting Point/Freezing Point	Not applicable
	Initial boiling point and boiling range	No information available
	Flash point	No information available
	Evaporation rate	No information available
	Flammability (solid, gas)	No information available

Upper/lower flammability or explosive limits	No information available
Vapour pressure	No information available
Vapour density	Not applicable
Relative density	No information available
Solubility	Soluble in water
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition Temperature	No information available
Viscosity	No information available
Explosive properties	Not explosive
Oxidising properties	Not oxidising
9.2 Other information	None

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid	None anticipated.
10.5 Incompatible materials	None in particular.
10.6 Hazardous Decomposition Product(s)	No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Ingredient(s)	CAS No.	Oral LD50	Dermal LD50	Inhalation LC50
Sodium bicarbonate	144-55-8	4,220 mg/kg (Rat)	No data	4.74 mg/L (Rat)
Sodium carbonate	497-19-8	4,090 mg/kg (Rat)	2,210 mg/kg (Mouse)	2,300 mg/L (Rat)
Citric acid	77-92-9	6,730 mg/kg (Rat)	No data	No data
Fragrance	Mixture	No data	No data	No data
Propylene glycol	57-55-6	20,000 mg/kg (Rat)	20,800 mg/kg (Rabbit)	No data
Silicon dioxide	112926-00-8	5,000 mg/kg (Rat)	>5,000 mg/kg (Rabbit)	0.69 mg/L (Rat)
Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	1,034 mg/kg (Rat)	2,000 mg/kg (Rabbit)	No data
Sodium lauryl sulfate	68585-47-7	1,200 mg/kg (Rat)	>2,000 mg/kg (Rabbit)	No data
Dye	162874-54-6	No data	No data	No data

Acute toxicity	Harmful if swallowed.
Irritation	Causes serious eye irritation.
Skin corrosivity	Causes skin irritation.
Sensitisation	May cause an allergic skin reaction.
Repeated dose toxicity	None anticipated.
Carcinogenicity	No components are listed as carcinogens by ACGIH, IARC, OSHA, or NTP.
Mutagenicity	Not expected to be mutagenic in humans.
Toxicity for reproduction	Not expected to have other reproductive effects.
11.2 Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ingredient(s)	CAS No.	Fish	Crustacea
Sodium bicarbonate	144-55-8	No data	No data
Sodium carbonate	497-19-8	96h LC50 = 300 mg/L (L. macrochius)	48h = 265 mg/L (D. magna)
Citric acid	77-92-9	96h LC50 = 1,516 mg/L (L. macrochius)	No data
Fragrance	Mixture	No information available	No information available

Propylene glycol	57-55-6	96h LC50 = 710 mg/L (Pimephales promelas)	48h >1,000 mg/L (D. magna)
Silicon dioxide	112926-00-8	96h LC50 = >10,000 mg/L (Brachydanio rerio)	24h >1,000 mg/L (D. magna)
Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	96h LC50 = 70.7 mg/L (Pimephales promelas)	48h = 4.9 mg/L (D. magna)
Sodium lauryl sulfate	68585-47-7	96h LC50 = 3.6 mg/L (fish)	48h = 1.37 – 4.7 mg/L (D. magna)
Dye	162874-54-6	No data	No data

12.2	Persistence and degradability	No information available.
12.3	Bioaccumulative potential	No information available.
12.4	Mobility in soil	No information available.
12.5	Results of PBT and VPVB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Use appropriate tools to put the spilled substance in a convenient waste disposal container. Finish cleaning by spreading soap and water on the contaminated surface.
13.2	Additional Information	Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1	UN number	Not applicable.
14.2	UN Proper Shipping Name	Not applicable.
14.3	Transport hazard class(es)	Not applicable.
14.4	Packing Group	Not applicable.
14.5	Environmental hazards	Not applicable.
14.6	Special precautions for user	Not applicable.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

15. SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.2	GHS	Created in accordance with the OSHA's implementation of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).
15.3	US EPA - TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.

16. SECTION 16: OTHER INFORMATION

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative

Please note: Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. LightBox Laboratories warrants that this product conforms to our standard specification when released to the market and when used according to directions. To the best of our knowledge, the information contained herein is accurate. However, we do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any product is the sole responsibility of the user. All products may present unknown hazards and should be used with requisite caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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