

## SAFETY DATA SHEET

This SDS complies with 29 CFR 1910.1200 (Hazard Communication Standard)

**IMPORTANT:** Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, and users of this product.

### 1. Identification

#### 1.1. Product identifier

Product Identity	Diamond Brite
Alternate Names	Brite OEB
Product Code	

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use	Oxygen/Enzyme Bleach & Pre-Soak, Powder
Application Method	See Label Instructions.

#### 1.3. Details of the supplier of the safety data sheet

Company Name	United Formulas 601 6th St SW Unit 5 Great Falls, MT 59404
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#### Emergency

24 hour Emergency Telephone No.	Infotrac: 1 800-535-5053 Emergency: (406) 727-4144
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Customer Service: United Formulas	(406) 727-4144
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### 2. Hazard(s) identification

#### 2.1. Classification of the substance or mixture

Ox. Sol. 2;H272	May intensify fire; oxidizer.
Acute Tox. 4;H302	Harmful if swallowed.
Acute Tox. 4;H332	Harmful if inhaled.
Eye Dam. 1;H318	Causes serious eye damage
Resp. Sens. 1;H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
STOT SE 3;H335	May cause respiratory irritation.

#### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



**Danger**

H272 May intensify fire; oxidizer.  
H302 Harmful if swallowed.  
H332 Harmful if inhaled.  
H318 Causes serious eye damage.  
H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.

**[Prevention]:**

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.  
P220 Keep / Store away from clothing combustible materials.  
P221 Take any precaution to avoid mixing with combustibles.  
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves / eye protection / face protection.  
P284: [In case of inadequate ventilation] wear respiratory protection.

**[Response]:**

P301+312 IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell.  
P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.  
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
P330 Rinse mouth.  
P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P342+311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor / physician.  
P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

**[Storage]:**

P403+233 Store in a well ventilated place. Keep container tightly closed.  
P405 Store locked up.

**[Disposal]:**

P501 Dispose of contents / container in accordance with local / national regulations.

### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Sodium carbonate CAS Number: 0000497-19-8	25 - 50	Eye Irrit. 2;H319	[1]
Conditioning agent CAS Number: Proprietary	25 - 50	Not Classified	[1]
Oxygen Bleaching Agent CAS Number: Proprietary	10 - 25	Oxid. Sol. 2;H272 Acute tox. 4;H302 Eye Dam. 1;H318	[1]
Disodium metasilicate CAS Number: 0006834-92-0	1.0 - 10	Skin Corr. 1B;H314 STOT SE 3;H335	[1]

Nonionic Surfactant CAS Number: Proprietary	1.0 - 10	Eye Dam. 1;H318 Acute Tox. 4;H302 Skin Irrit. 2;H315	[1]
Subtilisins (proteolytic enzymes) CAS Number: 0009014-01-1	0.10 - 1.0	STOT SE 3;H335 Skin Irrit. 2;H315 Eye Dam. 1;H318 Resp. Sens. 1;H334	[1][2]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

## 4. First aid measures

### 4.1. Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
<b>Eyes</b>	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
<b>Ingestion</b>	Do NOT induce vomiting. Dilute product by giving large quantities of water or milk. Call your nearest poison control center for further action and seek medical attention immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Overview</b>	Inhalation: Dusts may cause irritation and burning of respiratory tract. Skin Contact: May cause irritation, burning and rashes. Eye Contact: May cause irritation and burning sensation. Ingestion: May cause irritation and burning of mucous membranes of the mouth, throat, esophagus and stomach if ingested in large enough quantities. Signs and Symptoms of Exposure: Irritation in all areas of exposure. Medical Conditions Generally Aggravated by Exposure: Persons with allergies may be particularly susceptible to rashes from contact with the enzyme contained in this product. See section 2 for further details.
<b>Inhalation</b>	Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Eyes</b>	Causes serious eye damage.
<b>Skin</b>	May cause irritation, burning and rashes.
<b>Ingestion</b>	Harmful if swallowed.

## 5. Fire-fighting measures

### 5.1. Extinguishing media

Not Applicable

**5.2. Special hazards arising from the substance or mixture**

Hazardous decomposition: No hazardous decomposition data available.

Avoid breathing dust / fume / gas / mist / vapors / spray.

**5.3. Advice for fire-fighters**

Wear self-contained breathing apparatus.

ERG Guide No. ----

## 6. Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

Put on appropriate personal protective equipment (see section 8).

**6.2. Environmental precautions**

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

**6.3. Methods and material for containment and cleaning up**

Sweep up and salvage all that can be salvaged, being certain to wear protective clothing. Flush any remaining product with excess water.

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

## 7. Handling and storage

**7.1. Precautions for safe handling**

Avoid excessive skin contact.

See section 2 for further details. - [Prevention]:

**7.2. Conditions for safe storage, including any incompatibilities**

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Acids and oxidizing agents.

Store in cool, dry area.

See section 2 for further details. - [Storage]:

**7.3. Specific end use(s)**

No data available.

## 8. Exposure controls and personal protection

**8.1. Control parameters****Exposure**

CAS No.	Ingredient	Source	Value
0000497-19-8	Sodium carbonate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

0006834-92-0	Disodium metasilicate	OSHA ACGIH NIOSH Supplier	No Established Limit No Established Limit No Established Limit ACHAN TLV/OSHA 2mg/m <sup>3</sup> PEL 2mg/m <sup>3</sup>
0009014-01-1	Subtilisins (proteolytic enzymes)	OSHA ACGIH NIOSH Supplier	No Established Limit No Established Limit ST 0.00006 mg/m <sup>3</sup> [60-minute] No Established Limit
Proprietary	Oxygen Bleaching Agent	OSHA ACGIH NIOSH Supplier	PEL Total: 15mg/m <sup>3</sup> Respirable: 5mg/m <sup>3</sup> Inhalable: 10mg/m <sup>3</sup> Respirable: 3mg/m <sup>3</sup> No Established Limit No Established Limit
Proprietary	Conditioning agent	OSHA ACGIH NIOSH Supplier	No Established Limit No Established Limit No Established Limit No Established Limit
Proprietary	Nonionic Surfactant	OSHA ACGIH NIOSH Supplier	No Established Limit No Established Limit No Established Limit No Established Limit

**Carcinogen Data**

CAS No.	Ingredient	Source	Value
0000497-19-8	Sodium carbonate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0006834-92-0	Disodium metasilicate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0009014-01-1	Subtilisins (proteolytic enzymes)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
Proprietary	Oxygen Bleaching Agent	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
Proprietary	Conditioning agent	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
Proprietary	Nonionic Surfactant	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

**8.2. Exposure controls****Respiratory**

Wear a dust mask if exposed to mists or dust.

**Eyes**

Protective safety glasses recommended

<b>Skin</b>	Gloves not normally required, but advisable for prolonged exposure.
<b>Engineering Controls</b>	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
<b>Other Work Practices</b>	This product contains enzymes which some individuals may exhibit allergic reactions to. Should rashes, develop upon short exposure, remove individual from contact of product or supply protective clothing to limit contact with this product. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

## 9. Physical and chemical properties

<b>Appearance</b>	White crystalline Powder
<b>Odor</b>	Citrus
<b>Odor threshold</b>	Not Measured
<b>pH</b>	1% solution: 10 - 11
<b>Melting point / freezing point</b>	> 300 °F
<b>Initial boiling point and boiling range</b>	Not applicable
<b>Flash Point</b>	Non-flammable
<b>Evaporation rate (Ether = 1)</b>	Not available
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not applicable <b>Upper Explosive Limit:</b> Not applicable
<b>Vapor pressure (Pa)</b>	Not available
<b>Vapor Density</b>	Not available
<b>Specific Gravity</b>	0.69 g/cc
<b>Solubility in Water</b>	Very Soluble
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not applicable
<b>Decomposition temperature</b>	Not available
<b>Viscosity (cSt)</b>	Not available
<b>VOC Content</b>	Not available

### 9.2. Other information

No other relevant information.

## 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

No data available.

**10.5. Incompatible materials**

Acids and oxidizing agents.

**10.6. Hazardous decomposition products**

No hazardous decomposition data available.

## 11. Toxicological information

**Acute toxicity**

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Sodium carbonate - (497-19-8)	4,090.00, Rat - Category: 5	No data available	No data available	No data available	No data available
Conditioning agent - (Proprietary)	3,120.00, Rat - Category: 5	No data available	No data available	No data available	No data available
Oxygen Bleaching Agent - (Proprietary)	1034, Rat	>2000, Rabbit	No data available	No data available	No data available
Disodium metasilicate - (6834-92-0)	1,153.00, Rat - Category: 4	No data available	No data available	No data available	No data available
Nonionic Surfactant - (Proprietary)	No data available	No data available	No data available	No data available	No data available
Subtilisins (proteolytic enzymes) - (9014-01-1)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	4	Harmful if swallowed.
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	1	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	3	May cause respiratory irritation.
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## 12. Ecological information

### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

#### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Sodium carbonate - (497-19-8)	300.00, Lepomis macrochirus	265.00, Daphnia magna	242.00 (72 hr), Freshwater Algae
Conditioning agent - (Proprietary)	Not Available	Not Available	Not Available
Oxygen Bleaching Agent - (Proprietary)	70.7 (48 hr) Pimephales promelas	4.9, Daphnia pulex	Not Available
Disodium metasilicate - (6834-92-0)	210.00, Danio rerio	33.53, Ceriodaphnia dubia	400.00 (72 hr), Pseudokirchneriella subcapitata
Nonionic Surfactant - (Proprietary)	Not Available	Not Available	Not Available
Subtilisins (proteolytic enzymes) - (9014-01-1)	Not Available	Not Available	Not Available

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## 14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			

**IMDG** Marine Pollutant: No  
**14.6. Special precautions for user**  
No further information

## 15. Regulatory information

<b>Regulatory Overview</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
<b>Toxic Substance Control Act ( TSCA)</b>	All components of this material are either listed or exempt from listing on the TSCA Inventory.
<b>WHMIS Classification</b>	D2A
<b>US EPA Tier II Hazards</b>	<b>Fire:</b> No <b>Sudden Release of Pressure:</b> No <b>Reactive:</b> No <b>Immediate (Acute):</b> Yes <b>Delayed (Chronic):</b> No

**EPCRA 311/312 Chemicals and RQs (lbs):**

Conditioning agent ( 5,000.00)

**EPCRA 302 Extremely Hazardous:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**New Jersey RTK Substances (>1%) :**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Pennsylvania RTK Substances (>1%):**

Conditioning agent

## 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H272 May intensify fire; oxidizer.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

**This version of this SDS was originally updated March 28, 2016 and was done so as a result of a change in the product formulation and its ingredients.**

The information herein is presented in good faith and believed to be correct as of the date hereof. However, United Formulas makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use. No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose or of any other nature with respect to the product or the information herein is made hereunder. United Formulas shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

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