

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Mixture  
Product name : BRIGHTEN LAUNDRY DETERGENT  
Product code : CA3898

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

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

Brody Chemical  
6125 W. Double Eagle Cr.  
Salt Lake City, UT 84118 - USA  
T (801) 963-2436

### 1.4. Emergency telephone number

Emergency number : 1-800-424-9300

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification (GHS-US)

Flam. Liq. 2 H225  
Full text of H-phrases: see section 16

### 2.2. Label elements

#### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning  
Hazard statements (GHS-US) : H320 - Causes eye irritation  
H315 - Causes skin irritation  
Precautionary statements (GHS-US) : P210 - Keep away from sparks, open flames. - No smoking  
P233 - Keep container tightly closed  
P280 - Wear eye protection, protective gloves  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P403+P235 - Store in a well-ventilated place. Keep cool  
P501 - Dispose of contents/container to in accordance with all regulations

### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

### 2.4. Unknown acute toxicity (GHS-US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

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Name	Product identifier	%	Classification (GHS-US)
sodium xylenesulfonate	(CAS No) 1300-72-7	5-10	Skin Irrit. 2, H315 STOT SE 3, H335
Ethylene glycol monobutyl ether	(CAS No) 109-86-4	5-10	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332

Full text of H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

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

- Symptoms/injuries after inhalation : No effects known.
- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes eye irritation.
- Symptoms/injuries after ingestion : Gastrointestinal complaints. Nausea.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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

- Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

#### 5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

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

- Methods for cleaning up : Take up liquid spill into absorbent material.
- Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

- Storage conditions : Store in a well-ventilated place. Keep cool.

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Incompatible materials	: Heat sources.
Storage area	: Keep container in a well-ventilated place. Keep locked up. Keep only in the original container. Store in a cool area.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

BRIGHTEN LAUNDRY DETERGENT		
ACGIH	Not applicable	
OSHA	Not applicable	
sodium xylenesulfonate (1300-72-7)		
ACGIH	Not applicable	
OSHA	Not applicable	
Ethylene glycol monobutyl ether (109-86-4)		
ACGIH	ACGIH TWA (ppm)	0.1 ppm
ACGIH	ACGIH STEL (ppm)	0.1 ppm
ACGIH	Remark (ACGIH)	Hematologic eff; repro eff
OSHA	OSHA PEL (TWA) (mg/m³)	80 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	25 ppm

### 8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Hand protection	: Protective gloves.
Eye protection	: Safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental exposure controls	: Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Color	: pink
Odor	: Pleasant odour
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 212 °F
Flash point	: Non-combustible
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity / density	: 1.05 kg/l
Solubility	: Water: 100 %
Log Pow	: No data available

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Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Likely routes of exposure	: Skin and eye contact
Acute toxicity	: Not classified

Ethylene glycol monobutyl ether (109-86-4)	
LD50 oral rat	2370 mg/kg (Rat)
LD50 dermal rabbit	1280 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 6.2 mg/l/4h (Rat)
ATE US (oral)	500.000 mg/kg body weight
ATE US (dermal)	1280.000 mg/kg body weight
ATE US (gases)	4500.000 ppmV/4h
ATE US (vapors)	11.000 mg/l/4h
ATE US (dust, mist)	1.500 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified

Specific target organ toxicity (repeated exposure)	: Not classified
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Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: No effects known.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes eye irritation.

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Symptoms/injuries after ingestion : Gastrointestinal complaints. Nausea.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Ethylene glycol monobutyl ether (109-86-4)	
LC50 fish 1	14977 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 1	> 10000 mg/l (24 h; Daphnia magna)
LC50 fish 2	9650 mg/l (96 h; Lepomis macrochirus)
Threshold limit other aquatic organisms 1	> 10000 mg/l (16 h; Pseudomonas putida; Toxicity test)
Threshold limit algae 2	> 10000 mg/l (192 h; Scenedesmus quadricauda; Toxicity test)

#### 12.2. Persistence and degradability

sodium xylenesulfonate (1300-72-7)	
Persistence and degradability	Biodegradability in water: no data available.
Ethylene glycol monobutyl ether (109-86-4)	
Persistence and degradability	Readily biodegradable in water. Photodegradation in the air.
Chemical oxygen demand (COD)	1.62 g O <sub>2</sub> /g substance
ThOD	1.68 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.07 % ThOD

#### 12.3. Bioaccumulative potential

sodium xylenesulfonate (1300-72-7)	
Bioaccumulative potential	No bioaccumulation data available.
Ethylene glycol monobutyl ether (109-86-4)	
Log Pow	-0.88
Bioaccumulative potential	Bioaccumulation: not applicable.

#### 12.4. Mobility in soil

Ethylene glycol monobutyl ether (109-86-4)	
Surface tension	0.033 N/m (20 °C)

#### 12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT  
Not regulated for transport

#### Additional information

Other information : No supplementary information available.

#### ADR

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

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### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### **sodium xylenesulfonate (1300-72-7)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### **Ethylene glycol monobutyl ether (109-86-4)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Subject to reporting requirements of United States SARA Section 313

#### 15.2. International regulations

##### **CANADA**

No additional information available

##### **EU-Regulations**

No additional information available

##### **Classification according to Regulation (EC) No. 1272/2008 [CLP]**

No additional information available

##### **Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

Not classified

##### **National regulations**

No additional information available

#### 15.3. US State regulations

##### **Ethylene glycol monobutyl ether (109-86-4)**

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	Yes	No	Yes	63

##### **Ethylene glycol monobutyl ether (109-86-4)**

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

### SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation

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NFPA health hazard

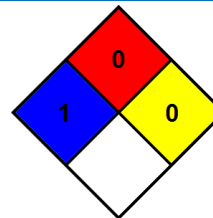
: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard

: 0 - Materials that will not burn.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health

: 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability

: 0 Minimal Hazard - Materials that will not burn

Physical

: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal Protection

: B

B - Safety glasses, Gloves

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*