

**X3****Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
Product name : X3

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

Laundry detergent

1.3. Details of the supplier of the safety data sheet

Beacon Labs
19 Elmwood Avenue
Kansas City, 66103 - USA
T 1-800-643-9070; 1-913-713-4120

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification (GHS-US)**

Skin Irrit. 2 H315
Eye Dam. 1 H318
Resp. Sens. 1 H334

Full text of H-phrases: see section 16

2.2. Label elements**GHS-US labeling**

Hazard pictograms (GHS-US) :



GHS05

GHS08

Signal word (GHS-US) :

: Danger

Hazard statements (GHS-US) :

: H315 - Causes skin irritation
H318 - Causes serious eye damage
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements (GHS-US) :

: P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash ... thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P284 - [In case of inadequate ventilation] wear respiratory protection
P302+P352 - If on skin: Wash with plenty of water/...
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a poison center/doctor
P321 - Specific treatment (see ... on this label)
P332+P313 - If skin irritation occurs: Get medical advice/attention
P342+P311 - If experiencing respiratory symptoms: Call a poison center/doctor
P362 - Take off contaminated clothing and wash before reuse
P501 - Dispose of contents/container according to local, state, and federal regulations

2.3. Other hazards

No additional information available

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 carbonate peroxyhydrate	(CAS No) 15630-89-4	Trade Secret	Acute Tox. 4 (Oral), H302
sodium carbonate	(CAS No) 497-19-8	Trade Secret	Skin Corr. 1A, H314
Everlase 6.0T	(CAS No) 9014-01-1	Trade Secret	Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT SE 3, H335
Durmamyl 120T	(CAS No) 9000-90-2	Trade Secret	Resp. Sens. 1, H334

Full text of H-phrases: see section 16

SECTION 4: First aid measures**4.1. Description of first aid measures**

Eye contact:	Immediately flush eye with copious amounts of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes, holding eyelids apart to ensure thorough rinsing of the entire eye. GET IMMEDIATE MEDICAL ATTENTION.
Skin contact:	Immediately flush skin with copious amounts of cool, running water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician, immediately. Wash clothing before re-use.
Inhalation:	Move victim to fresh air and keep at rest position. If qualified give oxygen or artificial respiration as needed.
Ingestion:	DO NOT induce vomiting. Give large amounts of water if victim is conscious. Never give anything by mouth to an unconscious person. Seek medical attention immediately.
First-aid:	DO NOT use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration With the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

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

Causes serious eye/skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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

No additional information available

SECTION 5: Firefighting measures**5.1. Extinguishing media**

The material is not combustible. Use extinguishing media appropriate for surrounding fire.
Use water spray or fog, foam, dry chemical, carbon dioxide, alcohol foam, if product is involved.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Water is the preferred method of fire fighting. Do not mix with acids. Dissolved product will be slippery.

Explosion Data

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Avoid breathing dust, fume, gas, mist, vapors, and spray. Wash face, hands and any exposed skin thoroughly after handling.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Neutralization is normally necessary before waste water is discharged into water treatment plants. Keep out of waterways.



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6.3. Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Sweep up solids, soak up if liquified. Transfer to appropriate waste container. Rinse spill area with water. Dispose of in accordance with local, state, and federal regulations.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water. Do not eat, drink or smoke when using this product. Always use personal protective equipment (goggles, gloves, apron, any other suitable personal protective equipment).

7.2. Conditions for safe storage, including any incompatibilities

Store in under 100°F. Keep locked up. Keep container in well-ventilated area. Keep container tightly closed when not in operation. Store away from incompatible materials. Keep out of the reach of children.

7.3. Specific end use(s)

Laundry detergent

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

X3		
ACGIH	Not applicable	
OSHA	Not applicable	
sodium carbonate peroxyhydrate (15630-89-4)		
ACGIH	Not applicable	
OSHA	Not applicable	
sodium carbonate (497-19-8)		
ACGIH	Not applicable	
OSHA	Not applicable	
Everlase 6.0T (9014-01-1)		
ACGIH	ACGIH Ceiling (mg/m³)	0.00006 mg/m³
OSHA	Not applicable	
Durmamyl 120T (9000-90-2)		
ACGIH	Not applicable	
OSHA	Not applicable	

8.2. Exposure controls

Engineering controls: Ensure adequate ventilation and that running water is available for washing eyes and skin.

Individual protection: Personal Protective Equipment (PPE)

Eye/Face Protection: Splash-proof chemical goggles or face shield.

Skin/Body Protection: Impervious rubber, alkali-proof protective gloves. Impervious rubber boots and apron.

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: Remove and wash contaminated clothing before re-use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Color : White



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Odor	: There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour(s): Odourless No data available on odour Mild odour Characteristic odour Almost odourless
Odor threshold	: No data available
pH	: 9 - 10.5
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
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
Solubility	: Water: Solubility in water of component(s) of the mixture : •: 15 g/100ml •: 140 g/l •: 22 g/100ml •: •: 0.1 g/100ml •: •:
Log Pow	: No data available
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

Do not mix with strong acids

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

Do not mix with strong acids

10.4. Conditions to avoid

Store in less than 100° F. Do not mix with strong acids.

10.5. Incompatible materials

Strong Acids

10.6. Hazardous decomposition products

Oxygen and carbon monoxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

sodium carbonate peroxyhydrate (15630-89-4)	
LD50 oral rat	1034 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402)
ATE US (oral)	1034.000 mg/kg body weight

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sodium carbonate (497-19-8)	
LD50 oral rat	2800 mg/kg (Rat; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit; Experimental value)
ATE US (oral)	2800.000 mg/kg body weight

Everlase 6.0T (9014-01-1)	
LD50 oral rat	3700 mg/kg (Rat)
ATE US (oral)	3700.000 mg/kg body weight

Durmamyl 120T (9000-90-2)	
LD50 oral rat	> 2000 mg/kg (Rat)

Skin corrosion/irritation	: Causes skin irritation. pH: 9 - 10.5
Serious eye damage/irritation	: Causes serious eye damage. pH: 9 - 10.5
Respiratory or skin sensitization	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
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
Aspiration hazard	: Not classified

SECTION 12: Ecological information**12.1. Toxicity**

sodium carbonate peroxyhydrate (15630-89-4)	
LC50 fish 1	70.7 mg/l (48 h; Pimephales promelas)
EC50 Daphnia 1	4.9 mg/l (48 h; Daphnia pulex)

sodium carbonate (497-19-8)	
LC50 fish 1	300 mg/l (96 h; Lepomis macrochirus)
EC50 Daphnia 1	< 424 mg/l (48 h; Daphnia magna)
EC50 other aquatic organisms 1	14 mg/l (168 h; Plankton)
LC50 fish 2	740 mg/l (96 h; Gambusia affinis)
EC50 Daphnia 2	265 mg/l (48 h; Daphnia magna)
TLM fish 1	300 ppm (96 h; Lepomis macrochirus)
TLM other aquatic organisms 1	500 ppm (96 h; Daphnia magna)
Threshold limit algae 1	242 mg/l (5 days; Algae)

Everlase 6.0T (9014-01-1)	
LC50 fish 1	> 100 mg/l (Pisces)

Durmamyl 120T (9000-90-2)	
LC50 fish 1	58.3 - 326.7 mg/l (96 h; Pisces)
EC50 Daphnia 1	31.7 - 457 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	> 5.2 mg/l (72 h; Algae; Pure substance)

12.2. Persistence and degradability

sodium carbonate peroxyhydrate (15630-89-4)	
Persistence and degradability	Biodegradability: not applicable. Hydrolysis in water. Biodegradability in soil: not applicable. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

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sodium carbonate peroxyhydrate (15630-89-4)	
BOD (% of ThOD)	Not applicable
sodium carbonate (497-19-8)	
Persistence and degradability	Biodegradability: not applicable. Low potential for adsorption in soil.
ThOD	Not applicable (inorganic)
Everlase 6.0T (9014-01-1)	
Persistence and degradability	Biodegradability in water: no data available.
Durmamyl 120T (9000-90-2)	
Persistence and degradability	Biodegradable in water. No (test)data on mobility of the components available.

12.3. Bioaccumulative potential

sodium carbonate peroxyhydrate (15630-89-4)	
Bioaccumulative potential	Not bioaccumulative.
sodium carbonate (497-19-8)	
Log Pow	-6.19 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Everlase 6.0T (9014-01-1)	
Bioaccumulative potential	No bioaccumulation data available.
Durmamyl 120T (9000-90-2)	
Log Pow	< 0
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

No additional information available

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**

DO NOT reuse container. Disposal should be in accordance with applicable regional, national, and local laws and regulations.

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

SECTION 15: Regulatory information**15.1. US Federal regulations**

X3
Not listed on the United States TSCA (Toxic Substances Control Act) inventory
sodium carbonate peroxyhydrate (15630-89-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

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sodium carbonate (497-19-8)

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

Everlase 6.0T (9014-01-1)

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

Durmamyl 120T (9000-90-2)

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

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**SECTION 16: Other information**

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Resp. Sens. 1	Respiratory sensitisation Category 1
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation

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