

Material Safety Data Sheet

BRIGHT BLAST

ECOLAB

BRIGHT BLAST

23 September 2011

3. Composition/information on ingredients

4. First aid measures

1. Product and company identification

Trade name of product : BRIGHT BLAST
Product use : Floor Stripper

Product dilution information : Up to 14 oz/gal or 111 mL/L in water

Supplier's information : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326

Code : 916759-03

Date of issue : 23-September-2011
EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside Emergency States and Canada CALL 1-651-222-5352 (in USA)

2. Hazards identification

Physical state : Liquid.
Emergency overview : DANGER!
CAUSES DIGESTIVE TRACT, EYE AND SKIN BURNS.
CAUSES RESPIRATORY TRACT IRRITATION.
COMBUSTIBLE LIQUID AND VAPOR.
Do not ingest. Do not get in eyes, on skin or on clothing. Avoid breathing vapors, spray or mists. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Potential acute health effects

Product AS SOLD
Eyes : Corrosive to eyes.
Skin : Corrosive to the skin.
Inhalation : Severely irritating to the respiratory system.
Ingestion : Causes burns to mouth, throat and stomach.

Product AT USE DILUTION
Liquid.
CAUTION!
MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Product AT USE DILUTION
Moderately irritating to eyes.
Moderately irritating to the skin.
Moderately irritating to the respiratory system.
No known significant effects or critical hazards.

See toxicological information (Section 11)

3. Composition/information on ingredients

Product AS SOLD

Name
BUTOXYETHANOL
SODIUM HYDROXIDE
ETHANOLAMINE
SODIUM XYLENE SULFONATE
alcohols, c12-16, ethoxylated

CAS number	% by weight
111-76-2	25
1310-73-2	5
141-43-5	5 - 20
1300-72-7	1 - 5
68551-12-2	1 - 5

Product AT USE DILUTION

Name
BUTOXYETHANOL
ETHANOLAMINE

CAS number	% by weight
111-76-2	3
141-43-5	1 - 5

6. Accidental release measures

Personal precautions

Product AS SOLD

: Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.

Environmental precautions

: Avoid contact of spilled material and runoff with soil and surface waterways.

Methods for cleaning up

: Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a water rinse for final clean-up.

Product AT USE DILUTION

Use personal protective equipment as required.

Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

Use a water rinse for final clean-up.

Product AS SOLD

Eye contact : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin contact

: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation

: If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention.

Ingestion

: If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Product AT USE DILUTION

In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse. If inhaled, remove to fresh air.

Get medical attention if symptoms occur.

5. Fire-fighting measures

Product AS SOLD

Hazardous thermal decomposition products

: Decomposition products may include the following materials:

carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
metal oxides/oxides

Fire-fighting media and instructions

: Use dry chemical, CO₂, water spray (fog) or foam.

Use water spray to keep fire-exposed containers cool. Dike area of fire to prevent runoff.

Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

BRIGHT BLAST		23 September 2011		BRIGHT BLAST		23 September 2011	
6. Accidental release measures				8. Exposure controls/personal protection			
7. Handling and storage				9. Physical and chemical properties			
Handling		Product AS SOLD : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.		SODIUM HYDROXIDE		NIOSH REL (United States, 6/2009). TWA: 3 ppm 10 hour(s). TWA: 8 mg/m³ 10 hour(s). STEL: 6 ppm 15 minute(s). STEL: 15 mg/m³ 15 minute(s). ACGIH TLV (United States, 2/2010). C: 2 mg/m³ OSHA PEL (United States, 6/2010). TWA: 2 mg/m³ 8 hour(s).	
Storage		: Keep out of reach of children. Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Store between the following temperatures: 0 and 50°C		Physical state : Liquid Flash point : 82 °C (Closed cup) Color : Clear Odor : Sweetish pH : 13.25 [Conc. (% w/w): 100%] Boiling/condensation point : >100°C (>212°F) Relative density : 1.06 Viscosity : Dynamic: 1 mPa·s (1 cP) Dispersibility : Easily dispersible in the following materials: cold water and hot water. Solubility : Easily soluble in the following materials: cold water and hot water.		Product AT USE DILUTION Liquid > 100°C Colorless Aromatic 12.75 to 13 [Conc. (% w/w): 100%]	
8. Exposure controls/personal protection				10. Stability and reactivity			
Engineering measures		Product AS SOLD : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.		Stability		: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.	
Personal protection		: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles. : Use chemical-resistant, impervious gloves. : Use synthetic apron, other protective equipment as necessary to prevent skin contact. : Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.		Reactivity		: Slightly reactive or incompatible with the following materials: metals and acids.	
Eyes		: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.		Hazardous decomposition products		: Under normal conditions of storage and use, hazardous decomposition products should not be produced.	
Hands		: Use chemical-resistant, impervious gloves.		Hazardous polymerization		: Under normal conditions of storage and use, hazardous polymerization will not occur.	
Skin		: Use synthetic apron, other protective equipment as necessary to prevent skin contact.		11. Toxicological information			
Respiratory		: Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.		Potential acute health effects Product AS SOLD Eyes : Corrosive to eyes. Skin : Corrosive to the skin. Inhalation : Severely irritating to the respiratory system. Ingestion : Causes burns to mouth, throat and stomach. Product AS SOLD Other adverse effects Target organs : Contains material which may cause damage to the following organs: blood, kidneys, the nervous system, liver, lymphatic system, gastrointestinal tract, upper respiratory tract, central nervous system (CNS), testes.			
Ingredient		Exposure limits ACGIH TLV (United States, 2/2010). TWA: 20 ppm 8 hour(s). OSHA PEL (United States, 6/2010), Absorbed through skin. TWA: 240 mg/m³ 8 hour(s). TWA: 50 ppm 8 hour(s). NIOSH REL (United States, 6/2009), Absorbed through skin. TWA: 5 ppm 10 hour(s). TWA: 24 mg/m³ 10 hour(s). ACGIH TLV (United States, 2/2010). STEL: 15 mg/m³ 15 minute(s). STEL: 6 ppm 15 minute(s). TWA: 7.5 mg/m³ 8 hour(s). TWA: 3 ppm 8 hour(s). OSHA PEL (United States, 6/2010). TWA: 6 mg/m³ 8 hour(s). TWA: 3 ppm 8 hour(s).		Product AT USE DILUTION Moderately irritating to eyes. Moderately irritating to the skin. Moderately irritating to the respiratory system. No known significant effects or critical hazards.			
BUTOXYETHANOL							
ETHANOLAMINE							

16. Other information

National Fire Protection Association (U.S.A.)

**National Fire Protection
Association (U.S.A.)**

Product At Use Dilution

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

14. Transport information

UN3266
Corrosive liquid, basic, inorganic, n.o.s. (sodium hydroxide, Monoethanolamine)

For transport in bulk or using IMDG regulations, see shipping documents for specific transportation information.

Product AT USE DILUTION
Not intended for Transport

15. Regulatory information

Product AT USE D
irritating material
Target organ effects

ations
entory

Federal regulations
TSCA 8(b) inventory : All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No listed substance
SARA 302/304 emergency planning and notification: No listed substance

<u>CAS number</u>	<u>Concentration</u>
111-76-2	24.913

16. Other information

Product at Use Dilution

Health	1
Flammability	0
Physical hazards	0

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