

Material Safety Data Sheet



LIFT-OFF BASEBOARD STRIPPER

1. Product and company identification

Trade name of product : LIFT-OFF BASEBOARD STRIPPER
Product use : Maintenance Product

Product dilution information : Not applicable

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

Code : 969113

Date of issue : 19-September-2012

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

2. Hazards identification

Product AS SOLD

Physical state : Aerosol
Emergency overview : WARNING !

CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
CONTENTS UNDER PRESSURE.
Intentional misuse by deliberate inhalation may be harmful or fatal.

Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Keep away from heat, sparks and flame. Keep away from heat and direct sunlight. Do not puncture, incinerate or store the container at temperatures above 49°C (120°F) or in direct sunlight. Use only with adequate ventilation. Wash thoroughly after handling.

Product AT USE DILUTION

Product is sold ready to use.

Potential acute health effects

Product AS SOLD

Eyes : Irritating to eyes.
Skin : Irritating to skin.
Inhalation : Irritating to respiratory system. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.
Ingestion : No known significant effects or critical hazards.

Product AT USE DILUTION

Product is sold ready to use.

See toxicological information (Section 11)

3. Composition/information on ingredients

Product AS SOLD

Name	CAS number	% by weight
BUTOXYETHANOL	111-76-2	8
BUTANE	106-97-8	5 - 20
PROPANE	74-98-6	5 - 20
ISOPROPYL ALCOHOL	67-63-0	1 - 5

3. Composition/information on ingredients

Product AT USE DILUTION

Name

Product is sold ready to use.

CAS number

% by weight

4. First aid measures

Product AS SOLD

- Eye contact** : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.
- Skin contact** : 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.
- Inhalation** : If inhaled, remove to fresh air. Get medical attention if irritation persists.
- Ingestion** : Get medical attention if symptoms occur.

Product AT USE DILUTION

Product is sold ready to use.

5. Fire-fighting measures

Product AS SOLD

Hazardous thermal decomposition products

- : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Fire-fighting media and instructions

- : Use an extinguishing agent suitable for the surrounding fire.

Use water spray to keep fire-exposed containers cool. Containers may explode when heated. Ruptured cylinders may rocket. Dike area of fire to prevent runoff.

In a fire or if heated, a pressure increase will occur and the container may burst. Bursting aerosol containers may be propelled from a fire at high speed.

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.

6. Accidental release measures

Product AS SOLD

- Personal precautions** : Use personal protective equipment as required.
- Environmental precautions** : Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.
- Methods for cleaning up** : Use a water rinse for final clean-up.

Product AT USE DILUTION

Product is sold ready to use.

7. Handling and storage

Product AS SOLD

- Handling** : Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Liquid and vapor under pressure. Do not puncture or incinerate container. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
- Storage** : Keep out of reach of children. Store in a closed container. Do not puncture or incinerate container.

Product AT USE DILUTION

Product is sold ready to use.

7. Handling and storage

Store between the following temperatures: 20 and 45°C

8. Exposure controls/personal protection

	Product AS SOLD	Product AT USE DILUTION
Engineering measures	: 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.	Product is sold ready to use.
Personal protection		
Eyes	: Safety eyewear should be used when there is a likelihood of exposure.	Product is sold ready to use.
Hands	: For prolonged or repeated handling, use the following type of gloves: Impervious gloves.	
Skin	: No protective equipment is needed under normal use conditions.	
Respiratory	: Avoid breathing vapors, spray or mists.	

Ingredient	Exposure limits
BUTOXYETHANOL	ACGIH TLV (United States, 2/2010). TWA: 20 ppm 8 hour(s). OSHA PEL (United States, 6/2010). Absorbed through skin. TWA: 240 mg/m ³ 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/m ³ 10 hour(s).
BUTANE	ACGIH TLV (United States, 2/2010). TWA: 1000 ppm 8 hour(s). NIOSH REL (United States, 6/2009). TWA: 800 ppm 10 hour(s). TWA: 1900 mg/m ³ 10 hour(s).
PROPANE	ACGIH TLV (United States, 2/2010). TWA: 1000 ppm 8 hour(s). OSHA PEL (United States, 6/2010). TWA: 1800 mg/m ³ 8 hour(s). TWA: 1000 ppm 8 hour(s). NIOSH REL (United States, 6/2009). TWA: 1000 ppm 10 hour(s). TWA: 1800 mg/m ³ 10 hour(s).
ISOPROPYL ALCOHOL	ACGIH TLV (United States, 2/2010). STEL: 400 ppm 15 minute(s). TWA: 200 ppm 8 hour(s). OSHA PEL (United States, 6/2010). TWA: 980 mg/m ³ 8 hour(s). TWA: 400 ppm 8 hour(s). NIOSH REL (United States, 6/2009). TWA: 400 ppm 10 hour(s). TWA: 980 mg/m ³ 10 hour(s). STEL: 500 ppm 15 minute(s). STEL: 1225 mg/m ³ 15 minute(s).

9. Physical and chemical properties

Product AS SOLD

Physical state : Aerosol
Flash point : Not applicable
Color : Colorless
Odor : Ammoniacal
pH : 12 to 13 [Conc. (% w/w): 100%]
Boiling/condensation point : >35°C (>95°F)
Relative density : 0.981 to 1.001

Product AT USE DILUTION
 Product is sold ready to use.

10. Stability and reactivity

Product AS SOLD

Stability : The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.

Reactivity : Reactive or incompatible with the following materials: metals, acids and alkalis.

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

Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological information

Potential acute health effects

Product AS SOLD

Eyes : Irritating to eyes.
Skin : Irritating to skin.
Inhalation : Irritating to respiratory system. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.
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Product AT USE DILUTION
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Product AS SOLD

Other adverse effects

Target organs : Contains material which may cause damage to the following organs: blood, kidneys, liver, heart, spleen, lymphatic system, upper respiratory tract, central nervous system (CNS).

12. Ecological information

Ecotoxicity : Not reported

13. Disposal considerations

Product AS SOLD

Waste disposal : Diluted product can be flushed to sanitary sewer. Avoid disposal. Attempt to use product completely in accordance with intended use. Do not puncture or incinerate container. Discard empty container in trash.

RCRA classification : Unused product is D002 (Corrosive)
 Unused product is D001 (Ignitable)

Product AT USE DILUTION
 Product is sold ready to use.

14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Product AS SOLD

DOT

DOT Classification UN1950
 DOT Proper shipping name Aerosols
 Class 2.1
 Packing group -

IMO/IMDG

IMO/IMDG Classification UN1950
 IMO/IMDG Proper shipping name AEROSOLS
 Class 2.1
 Packing group -

For transport in bulk, see shipping documents for specific transportation information.

15. Regulatory information

Product AS SOLD

HCS Classification : Irritating material
 Target organ effects

Product AS SOLD

U.S. 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>SARA 313</u>	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
Form R - Reporting requirements	: 2-butoxyethanol	111-76-2	5 - 10

California Prop. 65 : No listed substance

Product AT USE DILUTION

Product is sold ready to use.

16. Other information

Product AS SOLD

Hazardous Material Information System (U.S.A.) :

Health	*	2
Flammability		2
Physical hazards		0

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

16. Other information



NFPA Aerosol Level : Level 1

Date of issue : 19-September-2012

Responsible name : Regulatory Affairs
1-800-352-5326

☑ Indicates information that has changed from previously issued version.

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, **NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.**

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