



Product Information: 203-723-1437 Emergency Assistance: P-ChEM 1-800-424-5571

SAFETY DATA SHEET

Blue Butyl

1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER

Product Identifier: Cleaning Compound

Supplier Details: Ambion Corporation
37 Naugatuck Drive
Naugatuck, CT 06770
Tel: 203-723-1437
Fax: 203-723-0101

Emergency Contact P-ChEM: 1-800-424-5571

2. HAZARDS IDENTIFICATION

Danger!!



Hazard Statement(s)

H315 Causes skin irritation
H319 Causes serious eye irritation
H332 Harmful if inhaled

Precautionary Statement(s)

P202 Do not handle until all safety precautions have been read and understood
P233 Keep container tightly closed
P260 Do not breathe dust/fume/gas/mist/vapors/spray
P262 Do not get in eyes, on skin or on clothing
P264 Wash...thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection

P301+315 +331 IF SWALLOWED: Get immediate medical advice/attention. Do NOT induce vomiting.
P303+352 IF ON SKIN: Wash with plenty of water.
P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P306+360 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P332+313 If skin irritation occurs: Get medical advice/attention.
P337+313 If eye irritation persists: Get medical advice/attention.
P361 Remove/Take off immediately all contaminated clothing.
P363 Wash contaminated clothing before reuse.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Material	CAS #	EINECS#	WT%
Ethylene Glycol Monobutyl Ether	111-76-2	203-905-0	5
Potassium Hydroxide	1310-58-3	215-181-3	5

4. FIRST AID MEASURES

In all cases, immediately call a POISON CENTER or doctor/physician.

Ingestion (Swallowing): **DO NOT INDUCE VOMITTING.** If conscious, have patient wash out mouth with water.

Never give anything by mouth to someone who is unconscious.

Inhalation (Breathing): Remove patient from contaminated area. If breathing has stopped, give mouth to mouth resuscitation, then oxygen if needed.

Skin Contact: Remove contaminated clothing at once while washing affected area with plenty of water for at least 15 minutes. If there is skin irritation get medical attention.

Eye Contact: Wash eyes with plenty of water, making sure to wash under eyelids for 15 minutes. Get immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media:

Water, dry chemical, Carbon Dioxide or foam, whatever is appropriate for surrounding fire.

Special Protective Equipment & Precautions for Fire Fighters:

Fire fighters should wear NIOSH/MSHA approved self contained breathing apparatus and protective clothing. Use water spray to cool container exposed to heat and to control vapors.

Unusual Fire and Explosion Hazards: None known

NFPA	Health	Flammability	Instability	Physical Hazards
	3	0	0	N/A

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Do not inhale vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Take steps to prevent eye or skin contact or inhalation.

Environmental precautions:

Contain spill if possible and safe to do so. Prevent product from entering drains.

Methods and materials for containment and cleaning up:

To clean up spill, scrape up or use absorbent material. Wash contaminated area with water.

All clean up and disposal should be carried out in accordance with federal, state and local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling:

Do not get on skin or in eyes. Wear chemical goggles, face shield, rubber gloves and full protective clothing including boots. Do not wear contact lenses. Avoid breathing mists. Handle only in areas with sufficient ventilation to prevent exposure or wear a suitable NIOSH/MSHA approved respirator. Keep away from food.

Conditions for safe storage, including any incompatibilities:

Keep containers tightly closed. Use on a first-in, first-out basis. Empty containers retain vapor and product residue. Keep out of direct sunlight. Keep away from oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

Material	CAS #	EINECS#	TWA (OSHA)	TLV (ACGIH)
Ethylene Glycol Monobutyl Ether	111-76-2	203-905-0	50 ppm 240 mg/m ³	20 ppm 97 mg/m ³
Potassium Hydroxide	1310-58-3	215-181-3	2mg/m ³ Ceiling	2 mg/m ³ Ceiling

Appropriate engineering controls:

General room or local exhaust ventilations is usually required to meet exposure limits.

Individual protection measures, such as personal protective equipment:

Respiratory protection: Use NIOSH approved acid gas respirator or canister respirator within the use limitations of these devices when lacking sufficient local ventilation to control vapors to a safe level. In all other situations use a self-contained breathing apparatus.

Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Use equipment approved by appropriate government standards, such as NIOSH (US) or EN166 (EU). Maintain eye wash fountain and quick-drench facilities in work area.

Skin and body protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Work and Hygienic practices: Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point :	210°F (99°C)
Vapor Pressure (mm. Hg) :	22
Vapor Density (Air=1):	0.8
Solubility in Water:	100%
Specific Gravity (Water=1) :	1.07
Melting Point :	10°F (-12°C)
Evaporation Rate (n-BuOH=1) :	0.9
Appearance:	Clear, watery, blue-green liquid
Odor:	Ether-like odor

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: N/A

Incompatibility (Materials to Avoid): Mixing with strong acids may cause spattering and will destroy effectiveness of the cleaner.

Hazardous Decomposition or Byproducts: N/A

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION**Routes of Exposure:**

Eye, skin, inhalation, and ingestion.

Acute Toxicity:

Material	CAS #	EINECS#	
Ethylene Glycol Monobutyl Ether	111-76-2	203-905-0	Inhalation, Rat: LC50=450 ppm/4h
			Oral Rat: LD50: 470 mg/kg
Potassium Hydroxide	1310-58-3	215-181-3	Oral Rat: LD50=273 mg/kg

Potential Health Effects:

Inhalation: Irritation, coughing, wheezing, human exposure above 200 ppm can be expected to cause narcosis, damage to the kidney and liver and present an abnormal blood picture showing erythropenia, reticulocytosis, granulocytosis, leukocytosis and would be likely to cause fragility of erythrocytes and hematuria.

Ingestion: Irritation, nausea, vomiting, diarrhea, swallowing of can result in a sour taste that turns to a burning sensation and is followed by numbness of the tongue which indicates paralysis of the sensory nerve endings.

Skin Contact: Irritation, redness, itchiness.

Eye Contact: Irritation, redness, watering eyes, itchiness.

Carcinogenicity: Not classified as to its carcinogenicity to humans.

12. ECOLOGICAL INFORMATION

None available

13. DISPOSAL CONSIDERATION

Product should be disposed of by federally approved hazardous waste disposal facility.

14. TRANSPORT INFORMATION

UN number	NA1760
UN proper shipping name	Compound, cleaning liquid containing Potassium Hydroxide
Transport Hazard Class	8
Packing Group	II

15. REGULATORY INFORMATION

Not available

16. OTHER INFORMATION

Date Prepared: April 4, 2016
