Domolish CB-9

Technical Dossier

Table of Contents

Shepard Bros. Inc. | 503 S. Cypress St. La Habra, CA 90631
800.645.3594 | www.shepardbros.com

SHEPARD BROS. INC.

DOMOLISH CB-9

Alkaline Foam Cleaner

DESCRIPTION AND USE

DOMOLISH CB-9 is a concentrated liquid blend of cleaning agents formulated for the spray, soak and foam-cleaning of food processing equipment.

CHARACTERISTICS AND BENEFITS

- Safe and gentle to hands at use concentrations.
- Effectively removes protein soils, fats, grease, and cooked-on oils
- Stable foam formation for improved cleaner retention and effectiveness
- Built-in water conditioners prevent hard water precipitates – works in all waters
- Clear, free rinsing-leaves stainless steel bright and shiny
- Non-abrasive / Non-corrosive
- Easy to use, stable liquid formulation
- Environmentally friendly ingredients

USE DIRECTIONS

Typical Use Dilution: 1-4 fluid oz. to one gallon water

Heavy duty cleaning applications may warrant the use of more concentrated cleaning solutions

Consult your Shepard Bros., Inc. representative for specific use instructions and recommended dispensing equipment.

PROPERTIES AND SAFE HANDLING

A Safety Data Sheet containing detailed information on the properties and safe handling of Shepard Bros., Inc. **DOMOLISH CB-9** is available on request and should be carefully reviewed prior to using this product.

(Rev. 11/16)

Shepard Bros., Inc. 503 S. Cypress St. La Habra, CA 90631 (800) 645-3594

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: DCB9

Product Name: Domolish CB-9

Company Name: Shepard Bros. Inc.
503 S. Cypress St.
La Habra, CA 90631

Phone Number: +1 (562)697-1366

Web site address: www.shepardbros.com

Emergency Contact: CHEMTREC

Emergency Phone: +1 (800)424-9300

Product Category:

2. HAZARDS IDENTIFICATION

Acute Toxicity: Inhalation, Category 4
Serious Eye Damage/Eye Irritation, Category 2A

GHS Signal Word: **Warning**

GHS Hazard Phrases:
H332 - Harmful if inhaled.
H319 - Causes serious eye irritation.

GHS Precautionary Phrases:
P271 - Use only outdoors or in a well-ventilated area.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313 - If eye irritation persists, get medical advice/attention.
P332+313 - If skin irritation occurs, get medical advice/attention.

GHS Storage and Disposal Phrases: No phrases apply.

Other Hazards: Causes mild skin irritation.

Potential Health Effects (Acute and Chronic): Chronic: Chronic effects and medical conditions aggravated by overexposure to this product have not been established.

Inhalation: Avoid breathing vapors or mists. May cause respiratory irritation. Material may be irritating to mucous membranes and upper respiratory tract. May cause central nervous system effects such as nausea and headache. High concentrations may cause acute pulmonary edema.

Skin Contact: Contact causes severe skin irritation and possible burns.

Eye Contact: Corrosive to the eyes and may cause severe damage including blindness. Eye damage may be delayed.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Can burn mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
111-76-2	Ethylene glycol monobutyl ether	< 7.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation 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. Get medical attention immediately.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Gently wash with plenty of soap and water. Wash contaminated clothing separately before reuse. Get medical aid if irritation develops and persists.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical attention if irritation persists.

In Case of Ingestion: Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

Note to Physician: Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt: 142.00 F Method Used: Pensky-Marten Closed Cup

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NA

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear. Containers can build up pressure if exposed to heat (fire). Containers may explode in the heat of a fire. Use water spray to keep fire-exposed containers cool.

Flammable Properties and Hazards: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: sodium, potassium, sulfur, nitrogen, phosphorus.

Hazardous Combustion Products: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: sodium, potassium, sulfur, nitrogen, phosphorus.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Use proper personal protective equipment as indicated in Section 8.

Environmental Precautions: Do not let product enter drains, sewers, watersheds or water systems.

Steps To Be Taken In Case Material Is Released Or Spilled: Provide ventilation. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Contain spill using an inert diking material. Transfer material into an approved container for possible recovery and reuse or for disposal.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Use as directed. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

Precautions To Be Taken in Storing: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from sources of ignition. Do not store in direct sunlight. Keep away from oxidizing agents. Keep container closed when not in use. Protect containers against damage.

Other Precautions: Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
111-76-2	Ethylene glycol monobutyl ether	PEL: 50 ppm	TLV: 20 ppm	No data.

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
111-76-2	Ethylene glycol monobutyl ether	NIOSH	TWA: 5 ppm	

Respiratory Equipment (Specify Type): Avoid breathing vapors and mists. Use a NIOSH/MSHA approved respirator, with a full-facepiece or a full-facepiece respirator with organic vapor cartridges when concentrations are unknown.

Eye Protection: Wear chemical splash goggles and a full-face shield where there is potential for eye contact.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves. nitrile gloves.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure. Chemical resistant apron. Rubber or neoprene boots.

Engineering Controls (Ventilation etc.): Provide adequate ventilation where the air contacts open process equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [ ] Gas [X] Liquid [ ] Solid

Appearance and Odor: Appearance: Transparent. Light blue. Liquid.
Odor: Pleasant.

pH: 10.3 - 10.8 at 0.0 C

Melting Point: < 32.00 F

Boiling Point: 212.00 F

Flash Pt: 142.00 F Method Used: Pensky-Marten Closed Cup

Evaporation Rate: NA

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): NA

Vapor Density (vs. Air = 1): NA

Specific Gravity (Water = 1):	1.04
Density:	NA
Bulk density:	NA
Solubility in Water:	Complete
Saturated Vapor Concentration:	NA
Octanol/Water Partition Coefficient:	No data.
Percent Volatile:	NA
VOC / Volume:	NA
HAP / Volume:	NA
Autoignition Pt:	NA
Decomposition Temperature:	NA
Viscosity:	NA
Particle Size:	NA
Heat Value:	NA
Corrosion Rate:	NA
Molecular Formula & Weight:	Proprietary Mixture 0.0

10. STABILITY AND REACTIVITY

Reactivity:	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: sodium, potassium.
Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	Excess heat, Ignition sources, Incompatible materials.
Incompatibility - Materials To Avoid:	Strong oxidizing agents, Strong acids.
Hazardous Decomposition or Byproducts:	When a confined space entry must be made, even into an empty tank, be sure to follow all appropriate confined entry procedures. High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: sodium, potassium, sulfur, nitrogen, phosphorus.
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:

Epidemiology: No information available.
Teratogenicity: No information available.
Reproductive Effects: No information available.
Mutagenicity: No information available.
Neurotoxicity: No information available. No information available.
Teratogenicity: No information available.
Reproductive Effects: No information available.
Mutagenicity: No information available.
Neurotoxicity: No information available.
Other Studies: CAS# 111-76-2:
Acute toxicity, LC50, Inhalation, Rat, 450.0 ppm, 4 H.
Acute toxicity, LD50, Oral, Rat, 470.0 mg/kg
Acute toxicity, LD50, Skin, Rabbit, 220.0 mg/kg.

Irritation or Corrosion:

Other Studies: CAS# 111-76-2:
Standard Draize Test, Eyes, Species: Rabbit, 100.0 mg, 24 H.

Sensitization:

Skin sensitization testing with human volunteers produced negative results. A skin notation is not recommended by ACGIH, based on estimates from physiologically based pharmacokinetic models which indicate that, even in worst-case dermal-exposure scenarios, 2-butoxyethanol is not absorbed in amounts sufficient to cause red blood cell hemolysis in humans.

Carcinogenicity/Other Information:

CAS# 111-76-2: ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans.

Carcinogenicity:

NTP? No IARC Monographs? No OSHA Regulated? No

12. ECOLOGICAL INFORMATION

General Ecological Information:

Physical: No information found.

Results of PBT and vPvB assessment:

Other Studies: CAS# 111-76-2:
LC50, Water Flea (Daphnia magna), 1720 mg/l, 24 H
LC50, Common Shrimp, Sand Shrimp (Crangon crangon), 775000 ug/l, 96 H
LC50, Amphipod (Chaetogammarus marinus), young organism(s), 1000 mg/l, 24 H.

Persistence and Degradability:

No data available.

Bioaccumulative Potential:

An estimated BCF value of 2.5 was calculated for ethylene glycol mono-n-butyl ether, using an experimental log Kow of 0.83 and a recommended regression-derived equation. According to a recommended classification scheme, this BCF value suggests that bioconcentration in aquatic organisms is low.

Mobility in Soil:

TERRESTRIAL FATE: Based on a recommended classification scheme, an estimated Koc value of 67, determined from an experimental log Kow and a recommended regression-derived equation, indicates that ethylene glycol mono-n-butyl ether is expected to have high mobility in soil.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: NOT REGULATED FOR DOMESTIC TRANSPORT.
DOT Hazard Class:
UN/NA Number:

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
111-76-2	Ethylene glycol monobutyl ether	No	No	Yes-Cat. N230

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

[ ] Yes [X] No	Explosive	[X] Yes [ ] No	Acute toxicity (any route of exposure)
[ ] Yes [X] No	Flammable (gases, aerosols, liquid, or solid)	[X] Yes [ ] No	Skin Corrosion or Irritation
[ ] Yes [X] No	Oxidizer (liquid, solid or gas)	[X] Yes [ ] No	Serious eye damage or eye irritation
[ ] Yes [X] No	Self-reactive	[ ] Yes [X] No	Respiratory or Skin Sensitization
[ ] Yes [X] No	Pyrophoric (liquid or solid)	[ ] Yes [X] No	Germ cell mutagenicity
[ ] Yes [X] No	Pyrophoric gas	[ ] Yes [X] No	Carcinogenicity
[ ] Yes [X] No	Self-heating	[ ] Yes [X] No	Reproductive toxicity
[ ] Yes [X] No	Organic peroxide	[ ] Yes [X] No	Specific target organ toxicity (single or repeated exposure)
[ ] Yes [X] No	Corrosive to metal	[ ] Yes [X] No	Aspiration Hazard
[ ] Yes [X] No	Gas under pressure (compressed gas)	[ ] Yes [X] No	Simple Asphyxiant
[ ] Yes [X] No	In contact with water emits flammable gas	[ ] Yes [X] No	(Health) Hazard Not Otherwise Classified (HNOC)
[ ] Yes [X] No	Combustible Dust		
[ ] Yes [X] No	(Physical) Hazard Not Otherwise Classified (HNOC)		

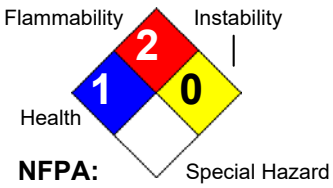
CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
111-76-2	Ethylene glycol monobutyl ether	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIa, Title 8

Regulatory Information: PROPOSITION 65 (Chemicals known to the state of California to cause cancer or reproductive toxicity): This product may contain traces of: ethylene oxide (CAS 75-21-8).

16. OTHER INFORMATION

Revision Date: 06/10/2020
Preparer Name: Jose Arias (562)697-1366

Hazard Rating System:



NFPA:

Additional Information About This Product: No data available.

Company Policy or Disclaimer: Information presented herein is believed to be accurate and reliable to the best of our knowledge. However, we make no warranty or merchantability or any other warranty,

express or implied, with respect to such information, and we assume no liability resulting from its use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Users should make their own investigations to determine the suitability of the information for their particular purposes.

DOMOLISH CB-9

(Formerly Flex CB-9)

LIQUID DEGREASER AND CLEANER

SAME TRUSTED FORMULA

WARNING
Harmful if inhaled.
Causes mild skin irritation.
Causes serious eye irritation.

Precautionary Statements: Avoid breathing mist/vapors/spray. Wear protective gloves, protective clothing, eye protection, and face protection. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area.

Response Phrases:
IF ON SKIN: If skin irritation occurs, get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or a doctor if you feel unwell.
SPECIFIC TREATMENT: See Section 4 of the SDS to reference supplemental first aid instruction if immediate measures are required.

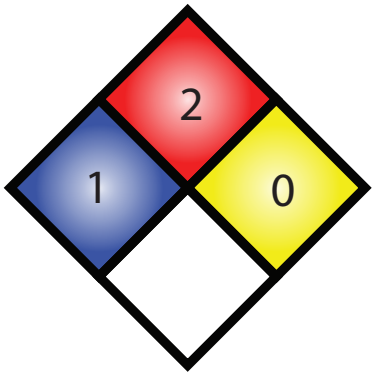
Supplemental Information: Harmful or fatal if swallowed. This product may cause mild burns. Take proper precautions, especially when using this product in an enclosed or semi-enclosed area. Use proper tank-entry precautions.

KEEP OUT OF REACH OF CHILDREN.

CONTAINS: ETHYLENE GLYCOL MONOBUTYL ETHER

DO NOT STORE PRODUCT IN DIRECT SUNLIGHT.

Contact your Shepard Bros., Inc. representative for more specific use instructions and recommended dispensing equipment.



Read safety data sheets for more detailed information.

PROPER SHIPPING NAME: NOT REGULATED FOR DOMESTIC TRANSPORT

SHEPARD BROS., INC.
503 S. CYPRESS ST.
La Habra, CA 90631 • (562) 697-1366

PRODUCT ID:

BATCH NO.:

NET CONTENTS:

SHEPARD Bros. Inc.
Cleaners / Sanitizers / Water Treatment
503 S. Cypress St., La Habra, CA 90631
phone: 562/697-1366
fax: 562/697-5786

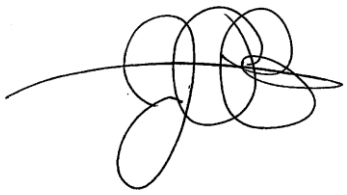
January 1, 2020

Based on current U.S. Food and Drug Administration Guidelines, this Letter of Guarantee certifies that the Shepard Bros., Inc. product, **Domolish CB-9,** is safe and suitable as a general cleaning agent on all surfaces or for use with steam or mechanical cleaning devices in all departments of establishments processing food for human or animal consumption.

When used according to the product label directions and in accordance with Good Manufacturing Practice this product will have no deleterious effects on the foods being processed.

This product must be used, handled and stored in a manner that will not adulterate food products. Before using this compound, food products and packaging materials must be removed from the room or carefully protected. After using this compound, surfaces must be thoroughly rinsed with potable water. This product must always be used according to applicable label directions.

Sincerely,



Jose Arias
Director of Compliance & Regulatory Affairs
Shepard Bros., Inc.

SHEPARD BROS.

Shepard Bros., Inc.
503 S. Cypress St.
La Habra, CA 90631
(562) 697-1366

Domolish CB-9

Alkalinity Test Kit

SBRTK1023-Z

1. Rinse vial 3 times with solution to be tested.
2. Fill bottle to 20 mL mark with sample.
3. Add 3 drops of Phenolphtalein indicator (PH1605), and swirl to mix. The solution should turn pink.
4. Add Alkalinity Titrant Low (SA1555) dropwise while swirling, until the sample color changes from pink to colorless. Record number of drops. Hold dropper vertically.
5. **Results:**
   number of drops x 6.4 to obtain ppm alkalinity as Sodium Hydroxide (by weight)
   number of drops x 8 to obtain ppm alkalinity as Calcium Carbonate (by weight)
   number of drops x 1.5 to obtain % product (by volume)
   number of drops x 1.0 to obtain fl-oz product/gal
   number of drops x 1500 to obtain ppm product in solution (by volume)
   Example: 3 fl-oz/gal = 3 drops
   4 fl-oz/gal = 4 drops
   10 fl-oz/gal = 10 drops
   2% solution by vol = 3 drops
   4% solution by vol= 6 drops
   10% solution by volume = 15 drops

NOTE: For accuracy and consistency hold the dropper bottle in a vertical position during the titration.

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