



# SAFETY DATA SHEET

## Domolish ALS

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** DALS  
**Product Name:** Domolish ALS  
**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 +1 (800)424-9300

**Product Category:**

### 2. HAZARDS IDENTIFICATION

**GHS Signal Word:** None  
**GHS Hazard Phrases:** No phrases apply.  
**GHS Precautionary Phrases:** No phrases apply.  
**GHS Response Phrases:** 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: May cause kidney injury. Chronic exposure may cause liver damage.  
**Inhalation:** Inhalation may cause dizziness, respiratory tract burns, and pulmonary edema.  
**Skin Contact:** May cause skin irritation. Can cause chemical burn.  
**Eye Contact:** Causes severe eye irritation. Can cause chemical burn. May cause transient corneal injury. Risk of serious damage to eyes.  
**Ingestion:** Harmful if swallowed. May cause burns to the mouth, esophagus, and stomach resulting in pain and vomiting. May cause kidney damage.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
112-34-5	Diethylene glycol monobutyl ether	< 5.0 %
25155-30-0	Sodium dodecylbenzene sulfonate	0.0 -3.0 %
34590-94-8	Propanol, (2-Methoxymethylethoxy)-	< 2.0 %



## 4. FIRST AID MEASURES

### Emergency and First Aid Procedures:

<b>In Case of Inhalation:</b>	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Get medical attention immediately.
<b>In Case of Skin Contact:</b>	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 or persists.
<b>In Case of Eye Contact:</b>	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 immediate medical advice/attention.
<b>In Case of Ingestion:</b>	Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
<b>Note to Physician:</b>	Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

## 5. FIRE FIGHTING MEASURES

<b>Flash Pt:</b>	> 160.00 F	Method Used:	Pensky-Marten Closed Cup
<b>Explosive Limits:</b>	LEL: No data.	UEL:	No data.
<b>Autoignition Pt:</b>	NA		
<b>Suitable Extinguishing Media:</b>	Use water fog, dry chemical, carbon dioxide, or regular foam.		
<b>Fire Fighting Instructions:</b>	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). Use water spray to keep fire-exposed containers cool. Use water with caution and in flooding amounts.		
<b>Flammable Properties and Hazards:</b>	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: phosphorus, sodium, potassium.		
<b>Hazardous Combustion Products:</b>	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: phosphorus, sodium, potassium.		

## 6. ACCIDENTAL RELEASE MEASURES

<b>Protective Precautions, Protective Equipment and Emergency Procedures:</b>	Use proper personal protective equipment as indicated in Section 8.
<b>Environmental Precautions:</b>	Do not let product enter drains, sewers, watersheds or water systems.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	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. Neutralize residual product with a weak acid, such as acetic acid.

## 7. HANDLING AND STORAGE

<b>Precautions To Be Taken in Handling:</b>	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.
<b>Precautions To Be Taken in Storing:</b>	Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from sources of ignition. Keep away from oxidizing agents. Store in a tightly closed container. Keep container closed when not in use. Protect containers against damage.



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**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
112-34-5	Diethylene glycol monobutyl ether	No data.	No data.	No data.
25155-30-0	Sodium dodecylbenzene sulfonate	No data.	No data.	No data.
34590-94-8	Propanol, (2-Methoxymethylethoxy)-	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm	No data.

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
34590-94-8	Propanol, (2-Methoxymethylethoxy)-	NIOSH	TWA: 600 mg/m3 (100 ppm) STEL: 900 mg/m3 (150 ppm)	Skin Absorption

**Respiratory Equipment (Specify Type):** No special respiratory protection equipment is required with adequate ventilation. 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 safety glasses with side shields or chemical splash goggles.

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

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

**Engineering Controls (Ventilation etc.):** Ensure adequate ventilation, especially in confined areas. Local exhaust is usually adequate. 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

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid
<b>Appearance and Odor:</b>	Appearance: Transparent. Amber. Liquid. Odor: Mild solvent.
<b>pH:</b>	7.5
<b>Melting Point:</b>	< 32.00 F
<b>Boiling Point:</b>	> 212.00 F
<b>Flash Pt:</b>	> 160.00 F Method Used: Pensky-Marten Closed Cup
<b>Evaporation Rate:</b>	NA
<b>Flammability (solid, gas):</b>	No data available.
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	NA
<b>Vapor Density (vs. Air = 1):</b>	NA
<b>Specific Gravity (Water = 1):</b>	1.06
<b>Density:</b>	NA
<b>Bulk density:</b>	NA
<b>Solubility in Water:</b>	Complete
<b>Saturated Vapor Concentration:</b>	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

## 10. STABILITY AND REACTIVITY

**Reactivity:** High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: phosphorus, sodium, potassium.

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** High temperatures, Incompatible materials, Ignition sources.

**Incompatibility - Materials To Avoid:** Strong oxidizing agents, Acids, Alkaline materials.

**Hazardous Decomposition or Byproducts:** High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: phosphorus, sodium, potassium, When a confined space entry must be made, even into an empty tank, be sure to follow all appropriate confined entry procedures.

**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 data available.  
Other Studies: CAS# 25155-30-0:  
Acute toxicity, LD50, Oral, Rat, 438.0 mg/kg.

Other Studies: CAS# 112-34-5:  
Acute toxicity, LD50, Oral, Rat, 5660 mg/kg.

Other Studies: CAS# 34590-94-8:  
Acute toxicity, LD50, Oral, Rat, 5400 ul/kg  
Acute toxicity, LD50, Skin, Rabbit, 10 ml/kg

**Irritation or Corrosion:** Other Studies: CAS# 25155-30-0:  
Standard Draize Test, Skin, Species: Rabbit, 20.0 mg, 24H



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Standard Draize Test, Eyes, Species: Rabbit, 250.0 ug, 24H.

Other Studies: CAS# 112-34-5:

Standard Draize Test, Eyes, Species: Rabbit, 20.0 mg, 24 H.

Other Studies: CAS# 34590-94-8:

Standard Draize Test, Eyes, Species: Rabbit, 500 mg, 24H

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

## 12. ECOLOGICAL INFORMATION

No data available.

**Results of PBT and vPvB assessment:**

Other Studies: CAS# 25155-30-0:

LC50, Bluegill (*Lepomis macrochirus*), 3450 ug/L, 24H, Mortality

LC50, Water Flea (*Daphnia pulex*), 19870.0 ug/L, 48H, Mortality

LC50, Minnow (*Phoxinus phoxinus*), 6000 ug/L, 24H, Mortality

LC50, Catfish (*Rita rita*), 6000 ug/L, 96H, Mortality

Other Studies: CAS# 112-34-5:

LC50, Water Flea (*Daphnia magna*), 2850 mg/l, 24 H, Intoxication

LC50, Carp (*Leuciscus idus ssp. melanotus*), 1805 mg/l, 48 H, Mortality.

**Persistence and Degradability:**

Aquatic: Water temperature affects biodegradation. The rate of sodium-C12 linear alkylbenzene sulfonic acids biodegradation in Chesapeake Bay water was max at 25-30 deg C and decreased at lower incubation temperatures.

Terrestrial: The adsorption of sodium-C12 linear alkylbenzene sulfonic acids is affected by the type of soil. The affinity of the soil for surfactants competes with microbial attack, slowing biodegradation. (HSDB)

Physical: According to a model of gas/particle partitioning of semivolatile organic compounds in the atmosphere, diethylene glycol mono-n-butyl ether, which has a measured vapor pressure of 0.06 mm Hg at 25 deg C, will exist solely as a vapor in the ambient atmosphere. Vapor-phase diethylene glycol mono-n-butyl ether is degraded in the atmosphere by reaction with photochemically-produced hydroxyl radicals; the half-life for this reaction in air is estimated to be about 10 hours. Alcohols and ethers do not absorb UV light in the environment.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

## 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.

**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)
112-34-5	Diethylene glycol monobutyl ether	No	No	Yes-Cat. N230
25155-30-0	Sodium dodecylbenzene sulfonate	No	Yes 1000 LB	No
34590-94-8	Propanol, (2-Methoxymethylethoxy)-	No	No	No

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

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

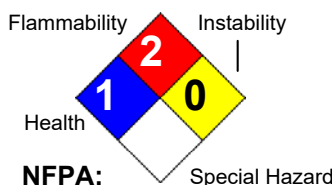
CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
112-34-5	Diethylene glycol monobutyl ether	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Yes - Cat.
25155-30-0	Sodium dodecylbenzene sulfonate	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8
34590-94-8	Propanol, (2-Methoxymethylethoxy)-	TSCA: Yes - Inventory, 8A PAIR; CA PROP.65: No; CA TAC, Title 8: 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:**



**Additional Information About** No data available.

**This Product:**

**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.



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Supersedes Revision: 11/11/2013

Users should make their own investigations to determine the suitability of the information for their particular purposes.

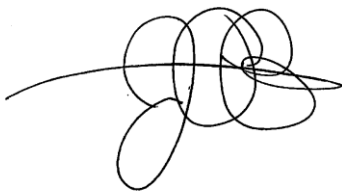
January 1, 2020

Based on current U.S. Food and Drug Administration Guidelines, this Letter of Guarantee certifies that the Shepard Bros., Inc. product, **Domolish ALS**, 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., Inc.  
503 S. Cypress St.  
La Habra, CA 90631

SHEPARD BROS. (562) 697-1366

**Domolish ALS**  
Alkalinity Test Kit  
**SBRTK1023-Z**

1. Rinse vial 3 times with tap water.
2. Run a blank: Fill bottle to 10 mL mark with water used to dilute the product.
3. Add 5 drops of Total Alkalinity Indicator (AI6925), and swirl to mix. The solution should turn green.
4. Add Alkalinity Titrant SA1555 LOW dropwise while swirling, until the sample color changes from green to red. Record number of drops. Hold dropper vertically.
5. This result is the number of drops from blank.
6. Rinse vial 3 times with tap water.
7. Fill bottle to 10 mL mark with sample solution to be tested.
8. Repeat Step 3 and 4. Record number of drops for sample.

**CALCULATIONS:**

**STEP 1:**

**Subtract number of drops from sample minus number of drops from blank then multiply by selected factor:**

Example: # drops from blank (water used to dilute product) = 10

# drops from sample = 24

number of drops = # drops sample - # drops Blank

**number of drops = 24 - 10 = 14**

**STEP 2:**

**number of drops** x 20 to obtain ppm alkalinity as Sodium Hydroxide (by weight)

**number of drops** x 28 to obtain ppm alkalinity as Potassium Hydroxide (by weight)

**number of drops** x 25 to obtain ppm alkalinity as Calcium Carbonate (by weight)

**number of drops** x 0.2 = % product in solution

**number of drops** x 0.25 to obtain fl-oz product/gal

**number of drops** x 2000 = ppm product in solution

**Example:** 1% solution = 5 drops

2% solution = 10 drops

2 fl-oz/gal = 8 drops

3 fl-oz/gal = 12 drops

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