

Domolish HD



Technical Dossier

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S H E P A R D B R O S . I N C .

DOMOLISH HD

Heavy Duty Liquid Cleaner and Degreaser

PRODUCT DESCRIPTION

DOMOLISH HD is a heavy-duty alkaline detergent concentrate, specifically developed for cleaning of heavily soiled food equipment, process machinery, tanks, trucks and flooring.

PROPERTIES AND BENEFITS

Formulated for removing the heavy soils commonly found in food processing areas.

Exceptional wetting action helps assure quick and thorough soil penetration and removal.

Removes grime, oil, and grease on floors in processing areas but is not harmful to motors.

Exceptionally stable foam allows good adherence to vertical equipment surfaces.

Rinses quickly and easily.

A versatile, multi-job cleaner suitable for use in a variety of cleaning applications.

Concentrate form allows for easy water dilution.

DIRECTIONS

Typical Use Dilution: 1-2 fluid ounces to one gallon of 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 regarding the properties and safe handling of **DOMOLISH HD** is available on request and should be reviewed prior to using this product.

(Rev. 11/16)

The technical information and use suggestions herein are presented in good faith and are believed to be reliable. They do not constitute a part of our terms and conditions of sale unless specifically incorporated in our Order Acknowledgement. Nothing herein shall be deemed to constitute a warranty, expressed or implied, that said information or data are correct, or that the product described is merchantable or fit for a particular purpose, or that said information, data or product can be used without infringing patents of a third party. The purchaser must determine individually, by preliminary tests or otherwise, the suitability of this product for the intended purpose.

Shepard Bros., Inc.

503 S. Cypress St. La Habra, CA 90631

(800) 645-3594

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: DHD
Product Name: Domolish HD
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

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



GHS Signal Word: **Warning**
GHS Hazard Phrases: H302+312+332 - Harmful if swallowed, in contact with skin or if inhaled.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
GHS Precautionary Phrases: P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases: P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position 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.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P321 - Specific treatment see ... on this label.
P330 - Rinse mouth.
P332+313 - If skin irritation occurs, get medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.
P362 - Take off contaminated clothing and wash before re-use.
P363 - Wash contaminated clothing before reuse.
GHS Storage and Disposal Phrases: P501 - Dispose of contents and containers in accordance with local, regional, national, and international regulations.



SAFETY DATA SHEET

Domolish HD

Page: 2 of 7

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Revision: 06/17/2020

Supersedes Revision: 11/11/2013

Potential Health Effects (Acute and Chronic):

Hazards not otherwise classified (HNOC) or not covered by GHS: Hazards not otherwise classified (HNOC) or not covered by GHS -none.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS # | Hazardous Components (Chemical Name) | Concentration |
|------------|--------------------------------------|---------------|
| 111-76-2 | Ethylene glycol monobutyl ether | <10.0 % |
| 25155-30-0 | Sodium dodecylbenzene sulfonate | < 2.0 % |

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

In Case of Inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In Case of Skin Contact:

Wash off with soap and plenty of water. Consult a physician.

In Case of Eye Contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In Case of Ingestion:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Signs and Symptoms Of Exposure:

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed:

No data available.

5. FIRE FIGHTING MEASURES

Flash Pt: 67.00 C Method Used: Estimate

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

Autoignition Pt: 230.00 C

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

Fire Fighting Instructions: Wear self contained breathing apparatus for fire fighting if necessary. Further information.

Flammable Properties and
Hazards: Carbon oxides, Sulphur oxides.

Hazardous Combustion
Products: No data available.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures:

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8. Avoid dust formation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Steps To Be Taken In Case Material Is Released Or Spilled:

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal. Pick up and arrange disposal without creating dust. Sweep up and shovel.

7. HANDLING AND STORAGE

| | |
|---|--|
| Precautions To Be Taken in Handling: | Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. |
| Precautions To Be Taken in Storing: | Keep container tightly closed in a dry and well-ventilated place. Storage class 510): Combustible liquids Non Combustible. Keep in a dry place. Storage class (TRGS 510): Non Combustible Solids |
| Other Precautions: | Apart from the uses mentioned in section 1.2 no other specific uses are stipulated. Apart from the uses mentioned in section 1.2 no other specific uses are stipulated. |

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. |
| 25155-30-0 | Sodium dodecylbenzene sulfonate | No data. | No data. | 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): | Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. | | | |
| Eye Protection: | Face shield and safety glasses. | | | |
| Protective Gloves: | Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact. Material: Nitrile rubber Minimum layer thickness: 0.4 mm. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario. | | | |
| Other Protective Clothing: | Complete suit protecting against chemicals. | | | |
| Engineering Controls (Ventilation etc.): | Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. | | | |
| Environmental Exposure Controls: | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. | | | |

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: ☐ Gas ☒ Liquid ☐ Solid
Appearance and Odor: liquid.
 Color: No data available.
 Odor Threshold: Powder.
pH: 12 - 14
Melting Point: -75.00 C
Boiling Point: 169.00 C - 172.50 C
Flash Pt: 67.00 C Method Used: Estimate
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): ~ 0.995
Density: ~ 0.902 G/CM3
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: 230.00 C
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: No data available.
Stability: Unstable ☐ Stable ☒
Conditions To Avoid - Instability: Heat, flames and sparks. No data available.
Incompatibility - Materials To Avoid: Strong oxidizing agents.
Hazardous Decomposition or Byproducts: No data available. In the event of fire: see section 5.
Possibility of Hazardous Reactions: Will occur ☐ Will not occur ☒
Conditions To Avoid - Hazardous Reactions: No data available.

11. TOXICOLOGICAL INFORMATION

| | |
|---|--|
| Toxicological Information: | Acute toxicity: Germ cell mutagenicity: Hamster ovary. Result: negative. (OECD Test Guideline 474 Mouse. male. Reproductive toxicity: Overexposure may cause reproductive disorder(s) based on tests with laboratory animals. Aspiration hazard: No data available. Behavioral: Somnolence (general depressed activity). Diarrhea, Inhalation: Dermal. |
| Irritation or Corrosion: | Skin corrosion/irritation. Result: Tumorigenic: Tumors at site or application. No skin irritation -4 h. Serious eye damage/eye irritation: Eyes: Rabbit. Skin: Result: Eyes. Severe eye irritation 24. |
| Sensitization: | Maximisation Test. Species: Guinea pig. Result: Tumorigenic: Tumors at site or application. Does not cause skin sensitisation. No data available. |
| Chronic Toxicological Effects: | Specific target organ toxicity -single exposure (Globally Harmonized System) No data available. Specific target organ toxicity -repeated exposure: no data available. Specific target organ toxicity -single exposure: May cause respiratory irritation. |
| Carcinogenicity/Other Information: | IARC: Group 3: Not classifiable as to its carcinogenicity to humans. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. |
| Carcinogenicity: | NTP? No IARC Monographs? No OSHA Regulated? No |

12. ECOLOGICAL INFORMATION

| | |
|--|--|
| General Ecological Information: | (OECD Test Guideline 201) |
| Results of PBT and vPvB assessment: | PBT/vPvB assessment not available as chemical safety assessment not required/not conducted. |
| Persistence and Degradability: | Biodegradability: aerobic -Exposure time 28. Result: 90.4 % Readily biodegradable. No data available. |
| Bioaccumulative Potential: | No data available. Bioaccumulation: Lepomis macrochirus (Bluegill) - -28 d 64 µg/l Bioconcentration factor (BCF): 220 |
| Mobility in Soil: | No data available. |
| Other adverse effects: | No data available. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life. Avoid release to the environment. |

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Product.
Contact a licensed professional waste disposal service to dispose of this material. Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Disinfectants, liquid, corrosive n.o.s.
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN1903 **Packing Group:** III



AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Disinfectants, liquid, corrosive n.o.s.
UN Number: 1903 **Packing Group:** III
Hazard Class: 8 - CORROSIVE

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 |
| 25155-30-0 | Sodium dodecylbenzene sulfonate | No | Yes 1000 LB | 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 checked="" type="checkbox"/> Yes <input 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 checked="" type="checkbox"/> Yes <input 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) | | |

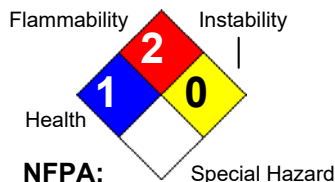
| CAS # | Hazardous Components (Chemical Name) |
|------------|--------------------------------------|
| 111-76-2 | Ethylene glycol monobutyl ether |
| 25155-30-0 | Sodium dodecylbenzene sulfonate |

Other US EPA or State Lists

TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8:
TAC: Cat. IIa, Title 8
TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8:
Title 8

16. OTHER INFORMATION

Revision Date: 06/17/2020
Preparer Name: Jose Arias (562)697-1366
Hazard Rating System:



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 HD

(Formerly H.D. Degreaser)
ALKALINE DEGREASER

WARNING

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



**SAME
TRUSTED
FORMULA**

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.

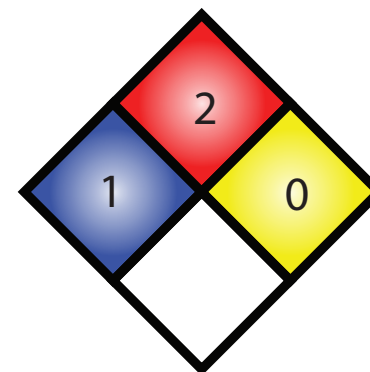
Supplemental Information: This product may be fatal if swallowed in large amounts. Take proper precautions, especially when using this product in an enclosed or semi-enclosed area.

KEEP OUT OF REACH OF CHILDREN.

CONTAINS: ETHYLENE GLYCOL MONOBUTYL ETHER.

DO NOT MIX WITH ACIDS.

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



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

PRODUCT ID:

BATCH NO.:

NET CONTENTS:

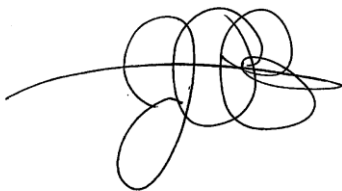
January 1, 2020

Based on current U.S. Food and Drug Administration Guidelines, this Letter of Guarantee certifies that the Shepard Bros., Inc. product, **Domolish HD**, 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 HD
Caustic Soda Test Kit
SBRTK3035-Z

1. Rinse vial 3 times with solution to be tested.
2. Fill bottle to the 25 mL mark with sample.
3. Add 3 drops of Phenolphthalein indicator (PH1605), and swirl to mix. The solution should turn pink.
4. Add Hydrochloric Acid 2.5N (HA6189), dropwise while stirring until the sample returns to its original color. Hold dropper vertically. Count number of drops added.

Results:

5. **Calculations;**

Multiply number of drops x 0.01 to obtain % alkalinity as Caustic Soda (by weight)

Multiply number of drops x 0.387 to obtain % product (by volume)

Multiply number of drops x 0.666 to obtain fl-oz product/gal (by vol)

Multiply number of drops x 3875 to obtain ppm product in solution

Example: 2 fl-oz/gal = 3 drops

4 fl-oz/gal = 6 drops

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

Rev 05/2020