

Material Safety Data Sheet

D-AL50

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

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1. IDENTIFICATION

Part No. & Description: D-AL50 Concentrated Safe Detergent 50 lb.

Chemical Family: Alkaline Detergent

2. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Component / CAS #</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>% WT</u>	<u>Notes</u>
Sodium metasilicate / 6834-92-0 PQ Corp. recommendation: 2mg/m ³	n/e	n/e	<50	n/a
Diethylene Glycol Butyl Ether / 112-34-5	n/e	n/e	1.4	1
Triethanolamine / 102-71-6	5 mg/m ³	n/e	<5	n/a

NOTE 1 - Section 313 Supplier Notification: "1" identifies chemical ingredients subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986. This information should be included in all MSDS's that are copied and distributed for this material.

3. HAZARDS IDENTIFICATION

Hazard Signal (short term contact or inhalation only): Health 2, Instability 0, Fire 0, Other x;
(0=insignificant; 1=slight; 2=moderate; 3=high; 4=extreme)

Threshold Limit Value: n/e, blended product. See Section 2 for information on listed ingredients.

Primary Route(s) of Entry: Eye Contact, Skin Contact, Inhalation of dust or spray

EFFECTS OF ACUTE OVEREXPOSURE

Eyes: Severe irritation, or burns possible

Skin: Irritation, or burns possible with prolonged contact

Inhalation of dust of product or mist of solution: Irritation of respiratory tract

Swallowing: Irritation or burns of mouth, throat and stomach. Stomach upset.

Effects of Chronic Overexposure: Unknown; none expected beyond acute effects.

Carcinogenicity: This product or its ingredients have not been identified as a carcinogen or probable carcinogen by NTP, IARC Monographs, or OSHA.

Medical Conditions Aggravated by Exposure: Dermatitis and similar skin disorders

4. FIRST AID PROCEDURES

Eyes: Immediately flush with cool running water holding eye lids apart. Remove contact lenses if present, and continue flushing for 15 minutes. Get medical assistance.

Skin: Immediately flush with cool running water for 15 minutes. Remove contaminated clothing and wash before reuse. If irritation or burn develops and persists, get medical advice or assistance.

Inhaled: Remove to fresh air. Immediately call for medical advice or assistance if breathing difficulty or irritation is severe or continues.

Swallowed: Rinse mouth with large amounts of water. Drink water, milk or other fluids to dilute. Do NOT induce vomiting unless directed by medical personnel. Immediately call for medical advice or assistance.

5. FIRE FIGHTING MEASURES

Extinguishing Media: As needed for surrounding fire

Special Firefighting Procedures: For any chemical fire wear self-contained breathing apparatus and protective clothing to prevent contact.

Unusual Fire & Explosion Hazards: None

Hazardous Combustion Products: Oxides of carbon and nitrogen

6. ACCIDENTAL RELEASE MEASURES

Small Spills, less than 2 pounds: Recover as practical. Flush spill area to drain with excess water.

Large Spills: Only knowledgeable and properly protected people should work with a large spill. Get professional assistance if necessary. Stop source of discharge if safe to do so. Evacuate unprotected personnel from the immediate area. Keep material dry. Contain spilled material, and keep from discharging to surface waters. Recover to drum for later use, treatment or disposal. Flush residual to drain. Notify local, state or national authorities if required.

Disposal: Product and un-neutralized solutions are alkaline. Normally sewer disposable in dilute solutions. Check with local authorities about any possible restrictions.

7. HANDLING & STORAGE

Handling: Avoid unnecessary contact with product. Avoid breathing product dust, or mists of solution of product. Wash immediately after contact. Wash after use. Clean up spills promptly to prevent accidental contact. Prevent contact with incompatible materials; See Section 10.

Storage: Keep containers tightly closed. Keep product dry to prevent caking.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Ventilation: General or local to avoid exposure to irritating product dust or mists of solutions.

Respirator: None normally required. NIOSH/MSHA approved respirator where conditions may cause exposure limits to be exceeded from dust of product or mists solutions.

Eye Protection: Glasses, goggles or face shield to prevent eye exposure.

Protective Clothing: Chemical resistant, impermeable gloves as needed to prevent excessive contact. Full body covering and shoes as needed to prevent excessive contact.

Other Protective Equipment or Measures: Eye wash stations in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	n/e	Vapor Pressure:	n/e	Specific Gravity:	n/e
Vapor Density:	n/e	Percent Volatile:	less than 2%	Evaporation Rate:	n/a
Solubility in Water:	Complete	pH:	12 +/- .5 (2% solution)	Appearance & Odor:	See Section 1
VOC:	1.4% by Wt.				

10. STABILITY AND REACTIVITY

Stable: Yes. Hazardous Polymerization will not occur. **Conditions to Avoid:** Contact with incompatible materials (see below)

Incompatible Materials: Strong oxidizing agents, strong acids

11. TOXICOLOGICAL INFORMATION

No data

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL INFORMATION

Waste Management Information: If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. But still check and dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT Information: 49 CFR 172.101 **DOT Description:** Non-regulated by DOT **Container / Mode:** (Powder) Drum

15. REGULATORY INFORMATION

Federal Regulations: (TSCA Toxic Substance Control Act) Status
TSCA (United States) The intentional ingredients of this product are listed.

CERCLA RQ-40 CFR 302.4 (a): none listed

SARA 302 Components-40 CFR 355 Appendix A: none

Section 311/312 Hazard Class-40 CFR 370.2

Section 313 Components - 40 CFR 372.65: Diethylene Glycol butyl ether; CAS# 112-34-5 -- 1.4%

International Regulations Inventory Status: Not determined

State and Local Regulations: California Proposition 65: none

16. OTHER INFORMATION

The above information is, to the best of our knowledge, current, accurate and complete based on information reasonably available to us as of the date of preparation of this form. However, it is the user's responsibility to determine the safety, toxicity and suitability for his or her own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by us as to the effects of such use or on the safety or toxicity of this product. Nor do we assume any liability arising out of use by others of this product. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when exceptional conditions or circumstances exist or because of applicable laws or regulations.

Legend: n/e = not established; n/a = not applicable