

4/20/09
HEB BRAVO ORIGINAL 2X

Liquid Laundry Detergent 2X



SAFETY DATA SHEET

Liquid Laundry Detergent 2X

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Product Name : **Liquid Laundry Detergent 2X**
Synonyms : Aqueous Mixture of Anionic and Nonionic Surfactants
Use of the substance/preparation : Mixture
Company/undertaking identification :
Manufacturer Supplier : Huish detergents, Inc.
3540 W. 1987 S.
Salt Lake City, UT 84104

General Information Number : 1-800-776-6702
Emergency Telephone Number : 801-975-3194

2. Hazardous Ingredients

Substance/preparation

Ingredient name	TLV	PEL	STEL	CAS number
Methylester Sulfonate	Not est.	Not est.	Not est.	4016-24-4
Cocamide DEA	Not est.	Not est.	Not est.	68603-42-9

* Occupational Exposure Limit(s), if available, are listed in Section 11

3. Physical Data

Boiling Point : Unknown
Freezing Point : Variable
Specific Gravity (H₂O = 1) : 0.990 - 1.022
Density, (lbs./gal.) : 8.25 - 8.52
% Volatile : 88% max. (including water)
Evaporation Rate : Not Determined
Solubility in Water : Infinitely soluble
pH (1% aqueous solution) : 8.95 - 9.70
Appearance and Odor : Clear, pale yellow to water white; Mountain breeze

4. Fire & Explosion Data

Flash Point : >200 °F
Extinguishing Media: : Water, Foam, CO₂, or Dry Chemical
Fire Fighting Procedures: : Cool material with water.
Fire / Explosion Hazards: : None

See section 6 for more detailed information on health effects and symptoms.

5. Reactivity Data

Stability	: Stable
Conditions to Avoid	: None known
Incompatibilities:	: None Known
Hazardous Decomposition	: None
Hazardous Polymerization	: None

6. Toxicological & Health Data

Potential acute health effects

Adverse health effects are considered unlikely, when the product is used according to directions.

LD50:	: >10,000
Threshold Limit Value	: Not Determined
Effects of Acute Exposure	
Ingestion	: Irritation of membranes may occur.
Inhalation	: Prolonged exposure may produce headaches and mucous membrane irritation.
Skin Contact	: Direct contact may cause irritation.
Eye Contact	: Direct contact will cause irritation
Effects of Chronic Exposure:	: None determined.
Carcinogen Status:	: Non-carcinogenic.

Note: see section 11 for personal protective equipment and section 10 for waste disposal.

7. Emergency First Aid Procedures

If swallowed	: DO NOT INDUCE VOMITING! If conscious, give one to two cups of water. Call physician
Inhalation:	: Remove to fresh air; consult a physician if symptoms persist.
Skin Contact:	: Promptly flush with water. Remove contaminated clothing and shoes
Eye Contact	: Promptly flush with large amounts of water for at least 15 minutes. Contact physician

8. Safe Handling & Storage

Store at 40°F to 90°F. Keep from freezing. Keep away from fire and heat. Keep containers closed when not in use. Provide adequate ventilation

9. In Case of Spill or Release

Stop spill at source and contain material. Contain or dike with inert absorbent material. Transfer liquid to containers for recovery or disposal.

Place material in container for disposal in accordance with local, state and federal regulations. Small amounts may be dissolved and flushed to sewer.

10. Recommended Waste Disposal considerations

Methods of disposal	: Product does not meet the criteria of a hazardous waste under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with all regulations applicable to non-hazardous waste. Small amounts may be dissolved and flushed to sewer. Large quantities should not be flushed into the sewer system. Spill areas are slippery when wet. Foams profusely when hit with water stream.
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11. Control Measures & Protective Equipment

Occupational exposure limits

Exposure controls

- Respiratory protection : None needed under normal use conditions.
- Hand protection : Rubber gloves may be worn for protection.
- Eye Protection : Goggles may be worn for splash prevention.
- Skin Protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

12. Regulatory Information

SARA Title III (Superfund Amendment and Reauthorization Act)

Section 302 : Extremely Hazardous Substances: None

Section 304 : Release Reporting:
None

Section 311/312 : Material Safety Data Sheet Requirements:
None

Section 313 : Toxic Chemicals: None at or above *de minimus* concentrations.

Prop 65 : None

13. Hazard Rating Information

HAZARD RATING

4 = Extreme Health - 1
0 = Insignificant Fire - 0
 Reactivity - 0

14. Ecological information

Other adverse effects : The product is not expected to harm the environment when used properly according to directions.

15. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
DOT	N/A	N/A	N/A	N/A	N/A	N/A
IMDG Class	N/A	N/A	N/A	N/A	N/A	N/A
IATA-DGR Class	N/A	N/A	N/A	N/A	N/A	N/A

16. Other information

History

Date of issue : January 9, 2007
Date of previous issue :
Version : 1.0

Notice to reader

HUIISH Detergents, Inc. cannot anticipate all conditions of handling and use of this product. Therefore, HUIISH Detergents, Inc. accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products.

It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. HUIISH Detergents, Inc. will accept no liability for damages or loss incurred from the improper use or handling of this product.

Version	1.0
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