

# Material Safety Data Sheet

MSDS ref No. BA4420  
Version: 1  
Revision Date:  
Origination Date: 20/07/05

## Section 1: Identification

Product Name: Lipsol Detergent Part No. 40023  
Chemical Family: Anionic Liquid Detergent

Product Use: Cleaning and Radioactive Decontaminant for glassware, ceramics, rubber, plastics, stainless steel and Ferrous metals

Company Identification: Dynalab Corp.  
350 Commerce Drive  
Rochester  
New York 14623  
USA

Telephone: 585.334.2060 x132  
Fax: 585.334.0241  
E.mail:

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## Section 2: Composition/Information on Ingredients

Ingredients/Chemical Names: Water, Anionic Surfactants, Trace elements.

### Hazardous Ingredients as defined by OSHA, 29CFR 1910.1200

<u>Chemical Name</u>	<u>CAS.No.</u>	<u>% by weight</u>	<u>OSHA-PEL</u>	<u>ACGIH-TLV</u>
Sodium Alkyl Ether Sulfate	68585-34-2	<5	Not Established	Not Established
Formaldehyde	50-00-0	0-0.05	0.75 ppm (TWA) 2.0 ppm (STEL)	0.3 ppm Ceiling Value, Sensitiser, A2 suspect Human Carcinogen.

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## Section 3: Hazards Identification

This product is not considered to be of harm to health if handled in a correct manner and in accord with the manufacturers specific instructions for use. The identified Formaldehyde component is only present in a trace concentration and is regarded as insignificant. For further Toxicological Information refer to Section 11 of this MSDS.

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## Section 4: First Aid Measures

General information:

Inhalation: No special first aid measures necessary.

Skin contact: Clean areas of skin affected promptly with plenty of water.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water until any irritation subsides. If reaction continues, seek medical advice.

Ingestion: Do not induce vomiting. Give copious water to drink and if necessary seek medical advice.

Further information:

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## Section 5: Fire Fighting Measures

NFPA Rating: Not Known

Extinguishing Media:

In a small fire: Use Dry Chemical Powder, water, or foam.

In a large fire: Use Extinguishing media suitable for the surrounding materials

Special Fire-fighting Procedures: None required.

Fire/Explosion Hazards: None.

Hazardous thermal decomposition products: Oxides of Carbon, Sulfur and Nitrogen.

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## Section 6: Accidental Release Measures

Methods for cleaning up: Adhere to personal protective measures. Take up with absorbent material, e.g. sand, sawdust, into tightly closable containers. Label container and dispose of as prescribed.

Environmental considerations: Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

Further information:

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## Section 7: Handling and Storage

Advice on safe handling: Handle in accordance with good hygiene and safety practice. Avoid contact with skin and eyes.

Storage conditions: Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry.

Further information: Use glass, ceramic or plastic containers but NOT polycarbonate.

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## Section 8: Exposure Controls/Personal Protection

### Exposure Controls:

Formaldehyde	LTEL (8 hour TWA)	0.75 ppm	--- mg/m <sup>3</sup>
	STEL	2.0 ppm	--- mg/m <sup>3</sup>

### Engineering Controls:

General ventilation is normally required when handling or using this product.

### Personal Protection Equipment:

Skin and body: Laboratory coat.

Hands: Impervious gloves recommended.

Eyes: Goggles and/or Splash shield recommended.

Other: Wash hands before eating, drinking, smoking, using the toilet and after handling any chemicals.

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## Section 9: Physical and Chemical Properties

Physical form:	Solution
Color:	Clear liquid
Odor:	Slight liquid detergent
Molecular weight:	-
Molecular formula:	-
pH:	10.78 @ 68 <sup>0</sup> F
Boiling pt / range:	Approx. 212 <sup>0</sup> F
Melting pt / range:	N/A
General Flammability:	Non-combustible
Flash point:	N/A
Autoflammability:	N/A
Density:	1.12 g/cc @ 68 <sup>0</sup> F
Explosive limits:	N/A
Vapor pressure:	N/A
Vapor Density:	N/A
Relative Evaporation Rate: (n Butyl Acetate = 1)	-
Viscosity:	-
Water solubility:	Soluble
Partition coefficient: (log P n-octanol / water)	-

Additional information:

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## Section 10: Stability and Reactivity

Stability:	Stable under normal conditions of handling.
Thermal decomposition:	Data not supplied.
Conditions to avoid:	Data not supplied.
Material to avoid:	The product is incompatible with strong oxidizing agents, aluminium and zinc.
Hazardous reactions:	The product reacts with aluminium and zinc forming hydrogen gas.
Hazardous decomposition products:	Data not supplied
Further information:	

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## Section 11: Toxicological Information

### Acute toxicity

Sodium Alkyl Ether Sulfate	LD <sub>50</sub> rat (oral)	>2000mg/kg
Formaldehyde	LD <sub>50</sub> rat (oral)	100mg/kg [RTECS]
	LD <sub>50</sub> rabbit (skin)	270µl/kg
	LD <sub>50</sub> rat (inhale)	203mg/m <sup>3</sup>

Dermal compatibility:	May cause skin and eye irritation. Non-corrosive to skin according to transcutaneous electrical resistance assay.
Mucous membrane compatibility:	May cause irritation to the respiratory tract. May be harmful if ingested in large quantities.
Further information:	

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## Section 12: Ecological Information

Acute toxicity:	LC <sub>50</sub> Fish	7 mg/kg/96h (data for Sodium Alkyl Ether Sulfate)
	EC <sub>50</sub> Daphnia	4.5 mg/l/48h
	IC <sub>50</sub> Algae	3.5 mg/l

Degradability: Product is biodegradable (according to OECD 301 E)

Further information:

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## Section 13: Disposal Considerations

This material is NOT classified as hazardous by RCRA. Use only licensed transporters and permitted disposal facilities. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

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## Section 14: Transport Information

Proper Shipping Name:	Non regulated, no dangerous cargo.
DOT Hazard Class:	Not regulated under DOT per 49 CFR 173.150
UN No./NA ID:	Not regulated
Packing Group:	Not applicable
Labels:	Not required
Marine Pollutant:	No
Sea IMDG Class:	No dangerous cargo
Air IATA-DGR Class:	No dangerous cargo

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## Section 15: Regulatory Information

Toxic Substance Control Act (TSCA): – The intentional ingredients of this product are listed.

### SARA Title III

Section 302 Extremely Hazardous Substances: Formaldehyde CAS No. 50-00-0 is only present in a trace concentration, see MSDS Section 2.

Section 311/312 Immediate (acute) health hazard: Sodium Alkyl Ether Sulfate is in a dilute concentration and not believed to present a health hazard if the product is used in the proscribed manner.

Section 313 Toxic Release Inventory Chemicals: None present at or above the minimum reportable concentrations.

California Proposition 65: This product contains Formaldehyde which is reportable as being an A2 Suspect Human Carcinogen. However its presence is only at a trace level and is therefore insignificant.

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## Section 16: Other Information

Label Precautions: In using this product, avoid contact with skin and eyes. It is recommended that users should wear suitable gloves and eye/face protection.

Product Use: This product should only be used for its intended purpose as noted in Section 1 of this MSDS and in accord with the labeled instructions.

Disclaimer: Barloworld provides the information contained herein in good faith, but makes no representation as to its completeness or accuracy. The document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.