

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT IDENTIFICATION

Brand Name: **Nobac Instant Foam Hand Sanitizer 10X Concentrate**

Chemical Name: Formulation  
Common Name:

Formula Name: Mixture  
Molecular weight: N/A

HMIS    NFPA

HEALTH	1	1
FLAMMABILITY	1	1
PHYSICAL HAZARDS	0	0
HMIS PPE	B	

PREPARER  
Mason Chemical Company  
721 W. Algonquin Road  
Arlington Heights, IL 60005

EMERGENCY TELEPHONE NUMBER  
Chem Trec    1-800-424-9300

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

INCI NAME	CAS#/EINECS#	WEIGHT %
Benzalkonium Chloride	8001-54-5/263-080-8	1.0
Water	7732-18-5/231-791-2	
Dihydroxypropyl PEG-5 Linoleammonium Chloride	168677-75-6/NLP	
Glycereth-2 Cocoate	68201-46-7/NLP	
Behentrimonium Chloride	17301-53-0/241-327-0	
Dihydroxyethyl cocamine Oxide	61791-47-7/263-180-1	

(Note: See Section 8 of this MSDS for Exposure Guidelines)

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Clear colorless to light amber solution with a mild odor.

**Repeated/prolonged contact may cause eye and skin irritation. Inhalation may cause mucous membrane irritation. Ingestion may cause gastrointestinal discomfort including irritation, nausea and diarrhea.**

This product is not combustible.  
Use extinguishing media suitable for the materials that are burning.

### POTENTIAL HEALTH EFFECTS

PRIMARY ROUTE(S) OF ENTRY  
Eye contact; Skin Contact; Inhalation, Ingestion

### SYMPTOMS OF EXPOSURE

Eye contact: Direct contact can cause pain and irritation  
Skin contact: Short periods of contact are not usually associated with skin irritation. Repeated direct contact can result in moderate irritation. Prolonged contact can result in moderate skin irritation.  
Inhalation: Direct contact or exposure to high concentration of mists or vapors may cause irritation.  
Ingestion: Direct contact or exposure may cause irritation. Ingestion of large amounts may cause gastrointestinal discomfort including irritation, nausea and diarrhea.  
Chronic effects: No adverse effects are expected.

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None known

### REPORTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

[x] Not Applicable                                    [ ] OSHA  
[ ] National Toxicology Program (NTP)                                    [ ] International Agency for Research on Cancer (IARC)

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**4. FIRST AID MEASURES**

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**EYE CONTACT**

Rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Seek medical attention if irritation develops or persists.

**SKIN CONTACT**

Wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation develops or persists.

**INHALATION**

Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

**INGESTION**

Give 3-4 glasses of water, but **DO NOT** induce vomiting. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

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**5. FIRE FIGHTING MEASURES**

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Flash Point and Method: >200°F (PMCC)

**GENERAL HAZARD**

This product is not combustible.

**EXTINGUISHING MEDIA**

Use media suitable for the material that is burning.

**SPECIAL FIRE FIGHTING INSTRUCTIONS**

Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side.

**FIRE FIGHTING EQUIPMENT**

As in any fire, wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear.

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**6. ACCIDENTAL RELEASE MEASURES**

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Spill area will be slippery. Wear appropriate protective equipment (See Section 8).

Absorb spills with vermiculite, fuller's earth, or sand. Shovel up and place in a non-metal waste container for disposal. Dike large spills with soil or sandbags to contain it and prevent its spread.

Prevent liquid from entering sewers or waterways.

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**7. HANDLING AND STORAGE**

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**HANDLING**

Wear appropriate protective equipment (See Section 8).

**STORAGE**

Keep container tightly closed. Keep away from heat, and sunlight. Storage temperature range: 20-30°C. If material freezes, separates or becomes hazy, gently thaw at about 40°C prior to use. Mild agitation may be required.

**STORAGE STABILITY**

2 Years from date of manufacture.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**ENGINEERING CONTROLS**

In applications where the product will be exposed to elevated temperatures, use local ventilation to remove potential decomposition products.

**PERSONAL PROTECTION FOR BULK HANDLING**

Respirator:	In operations where mists are generated, wear a NIOSH/MSHA approved respirator that has been selected by a technically qualified person for the specific work conditions.
Eye Protection:	Wear safety glasses with side shields or goggles.
Gloves:	Wear natural rubber gloves.
Clothing:	Normal working clothing is generally adequate.
Other:	Eye wash; safety shower.

**EXPOSURE LIMITS**

No limits established for this product

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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State ..... Liquid solution  
Viscosity ..... Low viscosity  
Color ..... Water white to straw  
Odor ..... Mild  
Melting Point °C ..... NA  
Freezing Point °C ..... ND  
Boiling Point °C ..... 100°C  
Weight per Gallon ..... 8.3 lb/gal  
Specific Gravity @20°C ..... 1.00±0.02  
Water Solubility ..... Soluble  
pH ..... 5.0-7.0

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**10. STABILITY AND REACTIVITY**

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**REACTIVITY**

Stable

**INCOMPATIBILITIES**

None known.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Oxides of Carbon and Nitrogen on combustion.

**CONDITIONS TO AVOID**

Avoid contact with heat.

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**11. TOXICOLOGICAL INFORMATION**

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**TOXICITY**

No toxicity information is available for this specific material. The toxicity information provided is for components of this material and for closely related materials.

**ACUTE**

For Benzalkonium chloride:

- Oral LD<sub>50</sub> (rat): 295 mg/kg
- Dermal LD<sub>50</sub> (rabbit): 3000 mg/kg
- Eye irritation (rabbit): Mild to moderate irritant (<1% active)
- Skin irritation (rabbit): Severe irritant
- Skin corrosivity (rabbit-DOT method): Corrosive
- Skin sensitization (guinea pig-Magnusson-Kligman Maximization): Not a sensitizer
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**GENOTOXICITY/MUTAGENICITY**

For Benzalkonium chloride:

- Ames test (Salmonella sp.): Not mutagenic with or without metabolic activation.

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**12. ECOLOGICAL INFORMATION**

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EC<sub>50</sub> (Bacterium toxicity ) ..... No dataLC<sub>50</sub> (Daphnia)..... No data

BOD ..... No data

COD ..... No data

Heavy metals ..... No data

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**13. DISPOSAL CONSIDERATIONS**

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RCRA Waste Code: Not regulated under RCRA, 40 CFR 261

Products: Keep away from natural water sources. Observe all applicable federal, state, and local regulations.

Empty packaging: Remove all residue when emptying.

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**14. TRANSPORTATION INFORMATION**

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DOT Hazard Classification: Non-Hazardous, not regulated

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**15. REGULATORY INFORMATION**  
**(Not meant to be all-inclusive, selected regulations represented)**

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**OSHA HAZARD COMMUNICATION STANDARD (26 CFR 1910.1200)**

Hazardous     Non-Hazardous

**CERCLA/SUPERFUND (40 CFR 117, 302)**

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

**SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355)**

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

**SARA HAZARD CATEGORIES (40 CFR 370)**

Acute     Chronic     Fire     Pressure     Reactive     None

**SARA TOXIC SUBSTANCES (40 CFR 372)**

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

**TOXIC SUBSTANCES CONTROL ACT**

For FDA/COSMETIC Use Only.

**STATE REGULATIONS**

None listed.

**HARMONIZED TARIFF SCHEDULE CODES**

US Census Bureau Schedule B 2008: 3401.30.1000

Departmental Consolidation of the *Customs Tariff* 2008 (Canada): 3401.30.1000

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**16. OTHER INFORMATION**

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**ABBREVIATIONS**

C:	Ceiling limit	N/A:	Not Applicable	N/D:	Not determined
N/E:	Not established	N/K:	Not known	RQ:	Reportable quantity
TPQ:	Threshold Planning Quantity				

**Date Prepared: 12/23/2008**

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**Prepared by: MSDS Coordinator**

**Reasons for Revision: Review and update**

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