

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFICATION: Empire Industries
Alco-Free Instant Hand Sanitizer
Brand Name: Micro-Foam Skin Sanitizer
Chemical Name: Formulation
Common Name:
Formula Name: Mixture
Molecular weight: N/A

HMIS NFPA

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

PREPARER

Woodbine Products Company
915 West Smith Road
Medina, OH 44256

EMERGENCY TELEPHONE NUMBER

800-824-8179

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear colorless to light amber solution with a mild odor.

Repeated/prolonged contact may cause eye 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 may cause irritation
Skin contact: Contact through regular use is not usually associated with skin irritation.
Inhalation: Not a likely route of exposure.
Ingestion: Direct contact or exposure may cause irritation. Ingestion of large amounts may cause gastrointestinal discomfort including irritation, nausea and diarrhea.

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

INCI NAME	CAS#/EINECS#	WEIGHT %
Benzalkonium Chloride	8001-54-5/263-080-8	0.10

(Note: See Section 8 of this MSDS for Exposure Guidelines)
Chronic effects: No adverse effects are expected.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None known

REPORTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

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

4. FIRST AID MEASURES

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

Stop use and ask a doctor if irritation or redness develops, or if condition persists for more than 72 hours.

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.

5. FIRE FIGHTING MEASURES

Flash Point and Method: >200°F (Setaflash)

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.

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

HANDLING

Wear appropriate protective equipment (See Section 8).

STORAGE

Keep container tightly closed. Keep away from heat, and sunlight. Storage temperature range: 5-30°C. If material freezes, gently thaw prior to use. Mild agitation may be required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

9. PHYSICAL AND CHEMICAL PROPERTIES

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 4.0-7.0

10. STABILITY AND REACTIVITY

REACTIVITY

Stable

INCOMPATIBILITIES

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of Carbon and Nitrogen on combustion.

CONDITIONS TO AVOID

Avoid contact with heat.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (OPPTS 870.1100)>5,000 mg/kg; Toxicity Category IVAcute Dermal LD₅₀ (OPPTS 870.1200)>2,000 mg/kg; Toxicity Category IVInhalation LC₅₀..... No data

Acute skin irritation (OPPTS 870.2500)..... Mild skin irritant, PII 0.13; Toxicity Category IV

Acute eye irritation (OPPTS 870.2400) Mild eye irritant; Toxicity Category III

Skin sensitization (OPPTS 870.2600) Not a sensitizer

GENOTOXICITY/MUTAGENICITY

For Benzalkonium chloride:

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

12. ECOLOGICAL INFORMATION

EC₅₀ (Bacterium toxicity)..... No dataLC₅₀ (Daphnia)..... No data

BOD No data

COD No data

Heavy metals..... No data

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORTATION INFORMATION

DOT Hazard Classification: Non-Hazardous, not regulated

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

OSHA HAZARD COMMUNICATION STANDARD (29 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

16. OTHER INFORMATION

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: 11/2015 Supersedes Date: 2/2015 Prepared by: MSDS Coordinator

Reasons for Revision: Review and Update

Disclaimer: Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others, and believed to be reliable. It is subject to revision as additional knowledge and experience is gained. The buyer assumes all risks of the use and/or handling.

Marketed by: Empire Industries – PO Box 1404 – Brentwood TN 37024