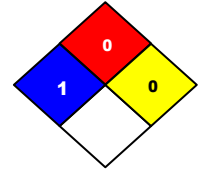


**SAFETY DATA SHEET**

For Chemical Emergency Spill, Leak, Fire Exposure or Accident  
Call INFOTRAC Day or Night  
North America: 800-535-5053

**Section 1 – Product And Company Information**

Supplier's Name Armchem International Corp  
Supplier's Address: 3563 NW 53<sup>rd</sup> Court, Ft. Lauderdale FL 33309, Phone: 954-735-0029  
Product Name: Bactazyme  
Product Number: Sys-300

DOT Proper Shipping/ Hazard Name (49 CFR 172.101): NR  
DOT ID # (49 CFR 172.101): NR  
DOT Hazard Class (49 CFR 172.101): NR

FLAMMABILITY (Red): NFPA: 0 HMIS: 0  
HEALTH (Blue): NFPA: 1 HMIS: 1  
REACTIVITY (Yellow): NFPA: 0 HMIS: 0  
Personal Protection (HMIS)= NR

**Section 2 – Health Hazard Identification**

This product is considered non hazardous according to OSHA's Hazard Communication and international GHS standards and this certification was prepared using Regulations 1907/2006 and 1272/2008.

**Classification of the substance or mixture.**

Skin Corr/Irritation. 3  
Eye irritation. 2B  
STOT. SE. Respiratory tract irritation. 3  
Acute toxicity, oral. 5

**Label elements****GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms**

**Signal word:** WARNING!

**Hazard-determining components of labeling:**

2-Butoxyethanol; Ethoxylated Nonyl Phenol (Nonidet P40); Sodium Metasilicate.

**Hazard statements**

H303 May be harmful if swallowed  
H316 Causes mild skin irritation  
H320 Causes eye irritation  
H335 May cause respiratory irritation

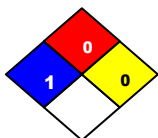
**Precautionary statements**

P264 Wash...thoroughly after handling  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.  
P332+P313 If skin irritation occurs: Get medical advice/attention  
P330 Rinse mouth.  
P337+P313 If eye irritation persists get medical advice/attention.  
P403+P233 Store in a well ventilated place. Keep container tightly closed.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Classification system:****HMIS Ratings (scale 0–4)**

HEALTH	1
FIRE	0
REACTIVITY	0

Health: 1  
Fire: 0  
Reactivity: 0

**NFPA Ratings (scale 0–4)**

Health hazard: 1  
Fire: 0  
Reactivity Hazard: 0  
Special hazard.: -

### Section 3– Components

<u>Component</u>	<u>CAS#</u>	<u>%</u>	<u>ACGIH(TLV-TWA)</u>	<u>OSHA (TWA)</u>
Bacterial Complex Mixture	Blend	—(Proprietary)	NA	NA
Surfactants	NA	—(Proprietary)	NA	NA

### Section 4 - First Aid Measures

**If On Skin:** Thoroughly wash exposed area with soap and water. Launder clothes before reuse.  
**If In Eyes:** Flush with water for 15 minutes, lifting upper and lower lids occasionally. Seek medical attention if necessary.  
**If Breathed:** If affected, remove individual to fresh air.  
**If Swallowed:** Do not induce vomiting. Give water to drink. Keep person warm, quiet and seek immediate medical attention.

### Section 5 – Fire Fighting Measures

**Flash Point:** None  
**Flammable Limits in Air:** Upper: NAP Lower: NAP  
**Extinguishing Media:** Regular foam, carbon dioxide, dry chemical, for surrounding fire.  
**Hazardous Decomposition Products:** Carbon Oxides, and toxic materials.  
**Firefighting Procedures:** Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires.  
**Special Fire and Explosion Hazards:** None

### Section 6 - Accidental Release Measures

**Personal Precautions:**  
For personal protection see section 8. Persons not wearing protective equipment should be excluded from the area of the spill until cleanup has been completed.

**Environmental Precautions:**  
Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs notify authorities as required.

**Methods for Cleaning Up Spills:**  
**Small Spill:** Pick up with spoon or spatula and dispose as directed by local regulatory norms.  
**Large Spill:** Stop spill at source. Isolate and recover spilled product with an absorbent material. Transfer spilled product to clean containers for recovery. Pick up unrecoverable product with spatula and dispose according to local laws.

### Section 7 – Storage & Handling

**KEEP OUT OF REACH OF CHILDREN**  
For industrial and institutional use only. Store in a cool, dry, well - ventilated area. Do not store at temperatures in excess of 120°F for prolonged periods. Always store in original container. Keep container tightly closed. Follow all label instructions and precautions.

### Section 8 - Exposure Control / Personal Protection

**Respiratory Protection:** If workplace exposure limits product or any component is exceeded a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators.

**Ventilation:** Provide sufficient mechanical ventilation to maintain exposure below TLV.

**Protective Gloves:** Non required under normal use conditions.

**Eye Protection:** Safety goggles.

**Other Protective Clothing & Equipment:** Non required under normal use conditions.

### Section 9-Physical And Chemical Properties

**Appearance** Milky white liquid  
**Odor:** Mint.  
**Physical State:** Liquid. **pH:** 11.0 - 11.5  
**Melting Point:** ND  
**Boiling Point:** 212 °F  
**Flash Point:** ND  
**Evaporation Rate (Water=1):** ND  
**Flammable Limits:** NAP  
**Vapor Pressure:** ND  
**Specific Gravity (H<sub>2</sub>O = 1):** 1.05 gr/cc  
**Vapor Density: (Air = 1):** ND  
**Auto ignition Temperature:** ND  
**Solubility in Water:** Completely Soluble  
**Partition coefficient (n-octanol/water):** ND  
**% Volatile:** 90-92 %

### Section 10 – Stability And Reactivity Information

**Stability:** Stable  
**Incompatibility (Materials to Avoid):** Reactive metals and anionic products.

**Hazardous Polymerization:** Will not occur  
**Conditions To Avoid:** Contact with bleach and quaternaries.

**Section 11 - Toxicological Information**

**Oral Toxicity:** No data  
**Inhalation Toxicity:** No data  
**Dermal Toxicity:** No data  
**Irritancy of Product:** This product is irritating to the skin, eyes, respiratory, and digestive tract.

**Section 12 - Ecological Information**

**Toxicity:** No data.  
**Persistence and Degradability:** Possibly hazardous short term degradation products are not likely.  
**Bio-accumulative Potential:** No data.  
**Other Adverse Effects:** No data.

**Section 13 - Disposal Considerations**

**Waste Disposal Method:**  
Disposal should be made in accordance with federal, state, and local regulations.

**Section 14 - Transport Information**

The listed transportation classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptions.

**Road—DOT (ground)**  
Proper Shipping Name: NR  
Hazard class: NR  
UN Number: NR  
Packaging Group: NR  
Label/Placard: NR

**Sea—IMDG (sea)**  
Proper Shipping Name: NR  
Hazard class: NR  
UN Number: NR  
Packaging Group: NR  
Label/Placard: NR

**Air—IATA (air)**  
Proper Shipping Name: NR  
Hazard class: NR  
UN Number: NR  
Packaging Group: NR  
Label/Placard: NR

**Section 15 - Regulatory Information**

**FLAMMABILITY (Red):** NFPA: 0 HMIS: 0  
**HEALTH (Blue):** NFPA: 1 HMIS: 1  
**REACTIVITY (Yellow):** NFPA: 0 HMIS: 0  
**Personal Protection (HMIS):** NR

**Section 16 – Special Precautions Or Other Comments**

Wash hands with soap and water after use. Avoid contact with open wounds. Although information contained herein is believed to be correct as of the date of this document, We makes no representation as to the completeness or accuracy of such information. We shall in no event be responsible for any damages directly or indirectly from use of or reliance on this information. This information is provided solely to assist the customer with the Occupational Safety and Health Act of 1970 and The Right to Know regulations. Any other use is prohibited.

**Legend:**

**NE:** Not Evaluated  
**ND:** Not Determined  
**NA:** Not Available  
**NAP:** Not Applicable  
**NR:** Not Regulated