



MATERIAL SAFETY DATA SHEET

***HAZARD CODES:**

Health 1
Flammability 0
Reactivity 0

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Product Name: BARSTAT PA²	Manufacturer: Apollo Chemical Corporation
Chemical Family: Quaternary Surfactants	1105 Southerland Street Graham NC 27253
Formula: Proprietary In the event of a medical emergency, composition information will be provided to a physician or nurse	24 Hour Emergency Telephone Numbers: CHEMTREC 800-424-9300 Apollo Chemical Corporation (8:00 am - 5:00 pm EST) 336-226-1161

2. HAZARDOUS INGREDIENTS:

OSHA hazard as defined in 29 CFR1910.1200: Irritant
Quaternary Surfactant Blend

3. HAZARD IDENTIFICATION:

Acute Health:	Skin and eye irritant
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** Hazard rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.*

Hazard Rating Scale: Minimal = 0, Slight = 1, Moderate = 2, Serious = 3, Severe = 4

POTENTIAL HEALTH EFFECTS:

EYES:	May cause irritation, inflammation, redness and tearing.
SKIN:	Prolonged or repeated exposure may cause irritation.
ORAL:	May cause gastrointestinal disturbances.
INHALATION:	High vapor concentrations or prolonged exposure may cause headache, dizziness, nausea and vomiting.

4. FIRST AID MEASURES:

EYES:	Flush with water for 15 minutes. Consult physician.
SKIN:	Wash affected area with soap and water. If irritation persists, consult physician.
ORAL:	Seek medical attention immediately.
INHALATION:	Remove victim to fresh air source. Treat symptomatically. Keep person warm and get medical attention if symptoms persist.

5. FIRE FIGHTING MEASURES:

Flash Point:	Not determined
Extinguishing Media:	Water, CO ₂ , Water, Fog, Dry Chemical
Special Fire Fighting Procedures:	Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.
Unusual Fire and Explosion Hazards:	None known

6. ACCIDENTAL RELEASE MEASURES:

SMALL SPILL:	Absorb in vermiculite, sand, floor sweeping compound or other absorbent material. Place in container for chemical waste.
LARGE SPILL:	Remove unprotected personnel from spill area until cleanup is complete. Stop spill at source and dike area to prevent spreading. Collect excess material and transfer to chemical waste containers. Keep out of water supplies.
WASTE DISPOSAL:	Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable federal, state and local regulations.

7. HANDLING AND STORAGE:

GENERAL PROCEDURES:

Keep container closed when not in use. Both open and handle the containers with care. Store in a cool, well-ventilated area away from incompatible materials. DO NOT pressurize, cut, heat or weld containers. Empty product containers may contain product residue – DO NOT reuse empty containers. Wash thoroughly after handling.

STORAGE TEMPERATURE:

Avoid storage in temperatures below 40°F or above 110°F for extended periods.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

RESPIRATORY PROTECTION:	If engineering controls are not adequate, use NIOSH approved respirator with organic vapor cartridge.
VENTILATION:	Provide sufficient ventilation (local and/or mechanical).
PROTECTIVE GLOVES:	Chemical resistant gloves.
EYE PROTECTION:	Wear safety glasses with side shields or chemical goggles.
OTHER PROTECTIVE EQUIPMENT:	Safety shower and eyewash recommended

9. PHYSICAL AND CHEMICAL PROPERTIES:

BOILING POINT:	>212°F	PHYSICAL FORM:	Liquid
SPECIFIC GRAVITY:	1.00-1.02	COLOR:	Clear to slightly hazy amber
VAPOR PRESSURE:	Not determined	ODOR:	Sweet
VAPOR DENSITY:	Not determined	pH:	5.25-7.25
SOLUBILITY IN WATER:	Complete		

10. STABILITY AND REACTIVITY:

STABILITY:	Stable under normal storage conditions.
INCOMPATIBILITY:	Concentrated acids and bases.
HAZARDOUS DECOMPOSITION:	Thermal decomposition may produce oxides of carbon and oxides of phosphorous.
HAZARDOUS POLYMERIZATION:	Will not occur.

11. TOXICOLOGICAL INFORMATION:

Acute toxicity data, if available, it is listed below.

No information available.

12. ECOLOGICAL INFORMATION:

Acute toxicity data, if available, is listed below:

No information available

13. DISPOSAL CONSIDERATIONS:

EMPTY CONTAINER:	"Empty" containers retain product residue (liquid and/or vapor) and can be hazardous. Empty drums should be completely drained, properly bunged and properly returned to a drum reconditioner or properly disposed of.
WASTE DISPOSAL:	Dispose of drum, product or rinsing in accordance with applicable federal, state and local regulations.

14. TRANSPORTATION INFORMATION:

DOT HAZARD CLASSIFICATION:	Not regulated
UN NUMBER:	Not applicable

15. REGULATORY INFORMATION:

UNITED STATES:

SARA 311/312 HAZARD:	Acute Health
313 REPORTABLE INGREDIENTS:	This product does not contain Section 313 Reportable Ingredients.
CARCINOGENIC CLASSIFICATION (Components present at 0.1% or more): None, unless listed below.	

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION AND LIABILITY ACT):

CERCLA REGULATORY: If the reportable quantity of this product is accidentally spilled, the incident is subject to the provisions of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and must be reported to the National Response Center by calling 800-424-8802.

REPORTABLE SPILL QUANTITY: None

EPA:

EPA RQ INGREDIENT: None

TSCA (TOXIC SUBSTANCE CONTROL ACT):

TSCA STATUS: All components of this product are listed on the TSCA Inventory or are exempt from TSCA Inventory requirements.

RCRA STATUS:

Discarded product, as sold, would not be considered a RCRA Hazardous Waste.

716. OTHER INFORMATION:

REVISION SUMMARY:

Replaces MSDS prepared on 12/17/2001. Updating format to ANSI Standard 16 Section Format

All information, recommendations and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by APOLLO CHEMICAL CORPORATION as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does APOLLO CHEMICAL CORPORATION assume any liability arising out of use by others, or the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.