



HYDRO-CHEM SYSTEMS INC.  
5550 CLAY S.W.  
GRAND RAPIDS, MI 49548  
PHONE: 616-531-6420 FAX: 616-531-8692

## MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

### SECTION 1 - PRODUCT IDENTIFICATION

EMERGENCY PHONE: CHEMTREC:  
1-800-424-9300 AFTER 5:00 P.M. EST

N/A=Not Applicable N/E=Not Established  
MSDS DATE: 7/18/2003

Part #: 165155 165155-59 Chemical Family: Liquid Alkaline Soap HMS Hazardous Material Identification System  
Product Name: HCS TS-#2 SHOWCASE Health: 0 Reactivity: 0  
Generic Name: All Purpose Detergent Maximum Personal Protection: B Flammability: 0  
Shipping Name: Compound, Cleaning Liquid, N.O.S.

### SECTION 2 - HAZARDOUS INGREDIENT/IDENTITY INFORMATION:

*This advisory based on product as packaged.  
Precautions at use dilution may be less severe.*

HAZARDOUS COMPONENTS (Specific Chemical Identity: Common Name[s])	OSHA PEL	ACGIH-TLV	% WEIGHT
---	----------	-----------	----------

None In Reportable Quantities

### SECTION 3 - PHYSICAL DATA

pH: Physical Description: Fluorescent pink liquid with a pleasant fruity aroma. Evaporation Rate:  
Specify Gravity: ND Solubility in Water: Completely (Water=1)

### SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Non Flammable Upper Explosive Limit: N/A  
Extinguishing Media: Non Flammable Lower Explosive Limit: N/A  
Special Fire Fighting Procedures: Self contained NIOSH breathing apparatus and full protective clothing.  
Unusual Fire and Explosion Hazards: None Known

### SECTION 5 - REACTIVITY DATA

Stability: Stable Hazardous Decomposition Products: None Known  
Incompatibility: Avoid prolonged contact with aluminum, zinc, tin, and alloys containing these metals. Hazardous Polymerization: None Known

### SECTION 6 - STORAGE AND HANDLING INFORMATION

#### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Avoid Extremes in Temperature. Avoid Skin and Eye Contact. Keep Container Closed when not in use.

### SECTION 7 - HEALTH HAZARDS AND FIRST AID: NONE EXPECTED AT USE DILUTIONS.

EFFECTS OF OVEREXPOSURE (Primary route of entry): FIRST AID PROCEDURES: Medical Conditions generally aggravated by Exposure:  
Possible pre-existing conditions or allergies.  
Skin Hazard: Irritant Skin First Aid: Flush with Water for 15 Minutes.  
Eyes Hazard: Irritant Eyes First Aid: Flush with Water for 15 Minutes.  
Inhalation Hazard: Irritant Inhalation First Aid: Remove to Fresh Air  
Ingestion Hazard: Irritant Ingestion First Aid:  
Other First Aid: If Conditions Persist, Contact a Physician

### SECTION 8 - SPECIAL PROTECTION INFORMATION: NONE EXPECTED AT USE DILUTIONS.

Respiratory Protection: If prolonged exposure in confined area use NIOSH approved respirator. Other Protective Equipment: None Normally Required  
Protective Gloves: Chemical Resistant Recommended Ventilation: Good Room Ventilation is Generally Adequate  
Eye protection: Safety Glasses Recommended

### SECTION 9 - SPILL OR LEAK PROCEDURES:

*This advisory based on product as packaged.  
Precautions at use dilution may be less severe.*

#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Contain spills and clean up immediately. Neutralize with any diluted inorganic acid, flush with water, followed by liberal covering of sodium bicarbonate.

#### WASTE DISPOSAL METHOD:

Clean up action should always be carefully planned and executed. Any questions regarding disposal should be directed to appropriate agencies.

**DISCLAIMER: IMPORTANT:** The information presented herein is believed to be reliable, and relates to the specific material listed and may not be valid for such material combined with other materials outside the scope of intended usage. No warranty or guarantee is made and it remains the user's responsibility to confirm by other investigation as to safe material application. The manufacturer shall not be liable for damages to person or property resulting from the use of this product. It is the customer's responsibility to investigate any potential allergic or health problems of all users.