

MATERIAL SAFETY DATA SHEET 1/3/01  
CARROLL COMPANY 2900 West Kingsley Road Garland, TX 75041 1-972-278-1304  
EMERGENCY TELEPHONES Infotrac 24 Hours 1-800-535-5053 1-800-527-5722

SECTION 1 -Product

NAME: SHOWERS & STUFF

Product Code: SHO

Product Type: Acid Cleaner

Health= 1; Flammability= 0; Reactivity= 1; PPE= 2

Health Haz	Fire Haz	Reactivity	Personal Protection
0= minimal	0= will not burn	0= none	0= not necessary
1= slightly haz	1= FP>141F	1= mild	1= goggles
2= hazardous	2= FP=>73F=<141F	2= strong	2= goggles, gloves
3= serious haz	3= FP<73F		3= goggles, gloves, protective clothes
4= severe haz	4=.BP<95F		4= goggles, gloves & respirator

FP by PMCC  
\* DGIS

SECTION 2 -HAZARDOUS INGREDIENTS

Hydrochloric Acid: CAS #7647-01-0 Wt%=3.25

Sulfamic Acid: CAS #5329-14-6 Wt%=4.9

Oxalic acid: CAS #144-62-1 Wt%=2.5

SECTION 3 -HEALTH HAZARD & FIRST AID

1. Acute health effect: Minimal
2. Chronic Health Effect: None
3. Primary Entry Routes:
  - a) Inhalation: Hydrogen Chloride gas and vapor can cause irritation of respiratory tract and nasal passages causing burning, choking, coughing and headaches.
  - b) Skin and Eyes: Liquid and vapor can cause severe irritation of the skin. Liquid or vapor can cause severe eye irritation and burns.
  - c) Ingestion: Causes burns of the mouth, esophagus, and stomach.
4. First Aid:
  - a) Inhalation: Move person to fresh air. If breathing stops give artificial respiration-get immediate medical attention.
  - b) Skin: Remove contaminated clothing and wash skin with soap and water. If irritation persists get medical attention.
  - c) Eyes: Wash eyes with large volumes of water for at least 15 minutes while lifting the upper and lower eyelids and rotating the eyeball. Get medical attention.
  - d) Ingestion: Give large volumes of water-do not induce vomiting-get medical attention.

SECTION 4 Physical & Chemical Characteristics

1. Physical State: Viscous Liquid
2. Color: Blue
3. Odor: Cherry
4. Solubility in water: Complete
5. Specific Gravity (H2O=1.0): 1.02
6. pH: <1.5
7. Freezing Point: N/A
8. Flash Point: None (will not burn)
9. Vapor Pressure: N/A

SECTION 5 Fire and Explosion Hazard

1. Flash Point: None (will not burn)
2. Extinguishing Media: N/A
3. Special Fire Fighting Procedures: N/A
4. Unusual Fire & Explosion Hazard: Fire fighters should observe all precautions that apply to a fire that involves chemicals.

#### SECTION 6- Reactivity Data

1. Stability: Stable
2. Conditions to Avoid: Contact with bleach and strong alkalies. Attacks most metals including aluminum, stainless steel, and iron.

#### SECTION 7 -SPILL OR LEAK PROCEDURES

1. Wear recommended Personal Protection Equipment.
2. If product leaks or spills -Flood area with water-mop up dispose to sanitary sewer.
3. Acid may be neutralized with baking soda.
4. Abide by Federal, State, and Local regulations.

#### SECTION 8- PERSONAL PROTECTION

1. Use this product in a well ventilated area.
2. Wear goggles.
3. Wear rubber gloves.

#### SECTION 9- SPECIAL PRECAUTIONS

1. Store containers tightly closed and in an upright position.
2. Do not destroy or deface the label.

#### SECTION 10- SECTION 313 SUPPLIER NOTIFICATION (SARA)

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

HYDROCHLORIC ACID, CAS#7647-01-0 Wt%= 3.25

#### SECTION 11 Toxicological Information

1. Exposures of 100 ppm HCl Gas for six hours per day for 50 days resulted in only slight irritation to the eyes and nose of the test animals. Monkeys receiving 33 ppm HCl gas for six hours did not display any adverse effects.

#### SECTION 12 Ecological Information

None

#### SECTION 13 Disposal Considerations

1. See Section 7 above.

#### SECTION 14 DOT Transport Information

This product is not DOT regulated.

#### SECTION 15 Other Regulatory Information

All ingredients appear on the TSCA Inventory List.

#### SECTION 16 Other Information

1. N/A = Not Applicable
2. \*Dangerous Goods Identification System (DGIS)
3. PMCC = Pensky Martin Closed CUp
4. Manufacturer believes that the information given here is accurate. The suggested procedures are based on experience and common sense and are not necessarily all-inclusive of every conceivable circumstance.