1.0 IDENTIFICATION /

1.1 Product Name: ADVACARE 120 SOUR
1.2 Product Type: Fluorinated Liquid Laundry Sour
1.3 Hazard Rating: Health: 3 Fire: 0 Reactivity: 1

Substances Subject to SARA 313 Reporting Are Indicated by "#"

2.0 HAZARDOUS COMPONENTS /

2.1 Hydrofluosilicic acid 16961-83-4 23 2.5 2.5

*as fluoride

PEL = OSHA 8 hour average in air TWA = ACGIH 8 hour average in air

3.0 PHYSICAL DATA /

3.1 Appearance: Clear light yellow liquid; strong irritating odor
3.2 Solubility in Water: Mixes with water in all proportions
3.3 pH: 1.0 - 1.5 (at 100%)
3.4 Initial Boiling Point: > 212 deg F / 100 deg C
3.5 Specific Gravity: 1.225 @ 68 deg F / 20 deg C

4.0 FIRE AND EXPLOSION DATA /

4.1 Special Fire Hazards: High temperatures may release toxic fluoride fumes. Will react with water or steam to produce toxic and corrosive fumes. May generate hydrogen in contact with some metals.
4.2 Fire Fighting Methods: Cool outside of containers with water if exposed to fire. Product itself does not support combustion.

5.0 REACTIVITY DATA /

5.1 Stability: Stable under normal conditions of handling.
5.2 Conditions to Avoid: Mix only with water. Reacts with metals; reacts vigorously with alkaline chemicals. Do not mix with chlorinated detergents or sanitizers - will cause hazardous vapors.

6.0 SPILL OR LEAK PROCEDURES /

6.1 Cleanup: Dike or dam large spills; pump to containers or soak up on inert absorbent. Prevent discharge of concentrated product into waterways or sewers. Flush residue to sanitary sewer; rinse area.
6.2 Waste Disposal: Consult state/local authorities for limits on chemical waste disposal. Unused product is RCRA Corrosive (DO02).

7.0 HEALTH HAZARD DATA /

7.1 Effects of Overexposure to Concentrate:
Eyes: CAUSES SEVERE CHEMICAL BURNS. May cause blindness.
Skin: CAUSES SEVERE CHEMICAL BURNS.
If Swallowed: HARMFUL OR FATAL. Causes chemical burns of mouth,

https://www.myecolab.com/webassets/include/CW_Show_MSDS.asp?FORMULA_CODE=... 6/25/08
throat and stomach.
If Inhaled: Dusts cause irritation, including a burning taste, sneezing, coughing and difficulty breathing. People with asthma or other lung problems may be more affected. Chronic inhalation or short periods at high levels may cause pulmonary edema.

7.2 Chronic low level exposure may result in mottling of teeth, joint stiffness, and weakening of bones (osteosclerosis).

8.0 FIRST AID /
TREAT AS A CASE OF HYDROGEN FLUORIDE EXPOSURE

8.1 Eyes: Flush at once with cool running water. Remove contact lenses. Continue flushing for 30 minutes, holding eyelids apart so as to rinse entire eye. SEEK MEDICAL ATTENTION IMMEDIATELY.

8.2 Skin: Immediately flush skin with plenty of cool running water while removing contaminated clothing and shoes. Wash with soap and water, and flush for 15 minutes. Apply calcium gluconate gel, if available, or milk of magnesia to affected area.

8.3 If Swallowed: Immediately rinse mouth; then drink 2 glasses of milk, if available, or water. If available, take several calcium antacid tablets (eg TUMS) or several tablespoons of milk of magnesia. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person. SEEK MEDICAL ATTENTION IMMEDIATELY.

8.4 If Inhaled: Immediately move to fresh air.

GET IMMEDIATE MEDICAL ATTENTION TO TREAT ANY CONTACT WITH HYDROGEN FLUORIDE
1-800-328-0026, A POISON CONTROL CENTER, OR A PHYSICIAN

9.0 PROTECTIVE MEASURES /
9.1 FOR CONCENTRATE:
Eyes: Wear chemical splash goggles with face shield over goggles.
Skin: Wear acid-proof gloves, synthetic apron, other protective equipment as necessary to prevent skin contact.
Respiratory: Avoid breathing mists or vapors of this product.
Note: Provide access to emergency eye wash and shower.

10.0 ADDITIONAL INFORMATION /

KEEP OUT OF REACH OF CHILDREN

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.