



Water Quality Control

HMIS CODE

H = 3
P = 0
R = 1
PP = C

MATERIAL SAFETY DATA SHEET

Last Revision: 10/1/92

SECTION I

TRADE NAME: HRR

MANUFACTURER'S NAME:

STRANCO, INC.
595 Industrial Drive
Bradley, Illinois 60915

EMERGENCY PHONE NUMBERS: 1-(800) 882-6466

For Leaks or Spills - Contact Chemtrec at 1-(800) 424-9300

TRADE NAME:

HRR

CHEMICAL NAME & SYNONYMS:

N/A

CHEMICAL FAMILY:

Acid, Liquid

FORMULA

Proprietary Mixture

SECTION II - Hazardous Ingredients

Hydrochloric Acid CAS# 7647-61-0
Sulfuric Acid 7664-93-9
Phosphoric Acid 7664-38-2

UN 1830

SECTION III - Physical Data

BOILING POINT (Deg. F):
212 F

SPECIFIC GRAVITY (H₂O = 1):
1.16

VAPOR PRESSURE (mm Hg):
Unknown

VOLATILE BY VOLUME (%):
Unknown

VAPOR DENSITY (AIR=1):
Unknown

EVAPORATE RATE (_____ = 1):
Unknown

SOLUBILITY IN WATER:
Complete

APPEARANCE AND ODOR:

Pale Amber Liquid - Mild Odor

SECTION IV - Fire & Explosion Hazard Data

FLASH POINT (Method Used):

Non-Flammable

FLAMMABLE LIMITS: N/A

Let.

Uel:

EXTINGUISHING MEDIA:

N/A

SPECIAL FIRE FIGHTING PROCEDURES:

Cool container with water if exposed to fire.

UNUSUAL FIRE & EXPLOSION HAZARDS:

None

SECTION V - Health Hazard Data

THRESHOLD LIMIT VALUE:

Not Determined

EFFECTS OF OVEREXPOSURE:

Causes burns to skin and eyes.
INHALATION: Remove to fresh air - Call a physician.

EMERGENCY FIRST AID PROCEDURES:

SKIN & EYES: Flush with water - Call a physician.
INHALATION: Remove to fresh air - Call a physician.
INGESTION: Do not induce vomiting, drink plenty of water. Call a physician.

SECTION VI - Reactivity Data

STABILITY

() UNSTABLE

(xxx) STABLE

CONDITIONS TO AVOID:

Most metals. Strong oxidizers, sulfides.

INCOMPATIBILITY (Materials to Avoid):

Avoid contamination with alkalines, amines.
Heat can cause evolution of hydrogen chloride.

HAZARDOUS POLYMERIZATION:

() MAY OCCUR

(xxx) WILL NOT OCCUR

CONDITIONS TO AVOID:

None known

SECTION VII - Spill or Leak Procedures

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

Can be neutralized with soda ash. Flush with large amounts of water.

WASTE DISPOSAL METHOD:

Neutralize with soda ash. Dispose in accordance with local and federal regulations.

SECTION VIII - Special Protection Information

RESPIRATORY PROTECTION (Specify Type):

None generally needed.

LOCAL EXHAUST:

Generally not needed.

MECHANICAL (General)

Satisfactory

SPECIAL:

None

PROTECTIVE GLOVES:

Rubber

EYE PROTECTION:

Safety goggles

OTHER PROTECTIVE EQUIPMENT:

Coveralls, plastic or rubber apron. Maintain adequate ventilation.

SECTION IX - Special Precautions

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Do not get in eyes, on skin, or clothing.
In case of contact, immediately flush with water for 15 minutes. Call a physician.

OTHER PRECAUTIONS:

Rinse areas of use very well.