



Transchem Pro Inc.
745 McClintock, Ste 330
Burr Ridge, IL 60527

Material Safety Data Sheet

EMERGENCY SPILL PHONE: 1 (800) 535-5053 (INFOTRAC)

MSDS No: HP-87

EMERGENCY MEDICAL PHONE: Contact Your Local Poison Control Center

PRODUCT INFORMATION PHONE: 1 (877) 857-3870

NFPA Hazard Ratings: Health 2, Flammability 0, Reactivity 0

HMIS Hazard Ratings: Health 2, Flammability 0, Reactivity 0, Protection B

Prepared By: Technical Group, Phone: 1 (877) 857-3870

Date Issued: September 01, 2013

1- MATERIAL IDENTIFICATION

PRODUCT NAME: LOW pH FRICTIONLESS PRE-SOAK, HP-87

Chemical Family: Surfactant Solution, Additives

Material Use or Occurrence: Frictionless Pre-Soak

2- IMPORTANT INGREDIENTS

<u>CHEMICAL NAME</u> (Synonyms)	<u>CAS No.</u>	<u>PERCENT</u>	<u>PEL/TLV/TWA</u>		<u>CARCINOGEN</u> (OSHA,NPT,IARC)
			<u>OSHA</u>	<u>ACGIH</u>	
Water	7732-18-5	59-79%	N/A	N/A	No
Citric Acid	77-92-9	8-14%	N/A	N/A	No
Phosphoric Acid	7664-38-2	1-3%	1 mg/m ³	1 mg/m ³ TWA; 3 mg/m ³ STEL	No
Alcohol ethoxylate	68439-46-3	3-7%	N/A	N/A	No

3- CHEMICAL AND PHYSICAL PROPERTIES

Boiling Point: n/av

Specific Gravity: 1.05 g/cc

Solubility In Water: Complete

Evaporation Rate: Similar to water

Coefficient of Oil/Water Distribution: n/av

Appearance: Clear liquid

Melting Point: n/av

Vapor Pressure: n/av

Vapor Density (Air=1) n/av

% Non-volatile: 15-30%

pH: 1.7-2.7

Odor: Mild

4- FIRE AND EXPLOSION DATA

Flash Point (Seta Flash Cl. Cup): N/A

Explosive Limits: Lower: n/ av

Upper: n/ av

Extinguishing Media: Treat as per surrounding area.

Special Fire Fighting Procedures and Hazards: At temperatures above 60°C/140°F acid action on most metals may release hydrogen, a highly flammable and explosive gas.

5- REACTIVITY INFORMATION

Stable: Up to 110°C/230°F

Unstable:

Precautions: None

Hazardous Polymerization Occurs:

Does Not Occur: X

Incompatibility: Avoid contact with oxidizers. This material may be extremely hazardous in contact with chlorates or nitrates. Contact with hypochlorites will generate heat.

Hazardous Decomposition Product: Thermal decomposition may yield oxides of carbon.

Hydrogen gas may be released upon contact with certain metals.

6- HEALTH HAZARDS - PROTECTIVE MEASURES - FIRST AID

Inhalation:

- Can cause nose, throat and respiratory tract irritation.
- Acute exposure is irritating.
- Prolonged exposure can cause respiratory tract problems.
- Avoid breathing vapor or mist.
- Remove to fresh air. If symptoms persist, seek medical attention.

Skin:

- Acute exposure is irritating.
- Non corrosive to skin.
- Use impervious, Butyl rubber, or natural rubber gloves.
- Wear full protective clothing. Take safety shower if necessary.
- Immediately flush with water for 15 minutes while removing contaminated clothing and shoes. Completely decontaminate clothing, shoes, and leather goods before reuse.

Eyes:

- Contact may be painful and irritating.
- Prolonged exposure can cause eye irritation problems.
- Wear chemical splash goggles or full face mask. Use eye bath if necessary.
- Immediately flush with water for 15 minutes. Call a doctor immediately

Ingestion:

- Product may be harmful or fatal if swallowed.
- Avoid swallowing. Wear face shield if face contact with concentrated product is likely.
- Rinse mouth. Do not induce vomiting. Drink large amounts of water. Get prompt medical attention.

IN ALL CASES: GET PROMPT MEDICAL ATTENTION IF EFFECTS PERSIST.
KEEP OUT OF REACH OF CHILDREN.

Most likely routes of entry: Skin, Eyes, Inhalation, Ingestion.

7- PRECAUTIONS FOR SAFE HANDLING AND USE

Personal Protective Equipment: Gloves: Use impervious gloves. Respiratory: Not normally required if good ventilation is maintained and exposure guidelines are not exceeded.

Eye: Chemical Splash goggles or full face mask. Other: Eye bath, safety shower, full protective clothing

Spills and Leaks: Before attempting clean-up, refer to hazard data given. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

Storage and Handling: Use good housekeeping practices in storage. Store in a clean dry place. Keep containers closed. Store in plastic containers. DO NOT store in metal containers – especially aluminum. DO NOT store at temperatures above 120° F/49° C.

Waste Disposal: In accordance with applicable local, state, and federal regulations. This is not a RCRA hazardous waste as of this date.

Empty Containers: Rinse thoroughly before handling, reuse, disposal, or recycling.

8- REGULATORY INFORMATION

DOT (HM-181) USA: CORROSIVE LIQUID, Acidic, inorganic, N.O.S. (Phosphoric Acid), Class 8, UN 3264, PG III.

[Int'l. (IMDG)]: CORROSIVE LIQUID, Acidic, inorganic, N.O.S. (Phosphoric Acid), Class 8, UN 3264, PG III.

SARA, Title III: Reportable for Section 313(Form R): No listed substances.

TSCA INVENTORY: All ingredients are commercially available and presumed to be listed by manufacturer.

CALIFORNIA PROP. 65: No listed substances are known to be present.

NEW JERSEY LABEL INGREDIENTS: Water, (7732-18-5), Citric Acid, (77-92-9), Phosphoric Acid, (7664-38-2, Alcohol ethoxylate, (68439-46-3)

CANADA EPA DSL INVENTORY: Consult Transchem Pro Inc. regarding status of ingredients.