

MATERIAL SAFETY DATA SHEET (SUBSTITUTES FOR OSHA FORM 174): May be used to comply with OSHA's Hazard Communication standard, 29 CFR 1910.1200.

PRODUCT NUMBER: **SP-35**  
 IDENTITY: **ACIDIC MASONRY CLEANER**

### SECTION I: MANUFACTURER'S INFORMATION

Manufacture's Name	INDUSTRIAL RESEARCH PRODUCTS	Telephone Numbers:
Address	2505 Frank Albert Road E	Emergency: 800-535-5053
	Fife WA 98424	Information: 800-400-0681

HMIS CODES: REACTIVITY: **2** FLAMMABILITY **0** HEALTH **4** PERSONAL PROTECT **D**

### SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

	Name	Cas No.	WISHA PEL	ACGIH TLV	WEIGHT %
1.	Hydrofluoric Acid	7664-39-3	3 ppm	3 ppm	<20.0
2.	Hydrochloric Acid	7647-01-0	5 ppm	5 ppm	<10.0
3.					
4.					
5.					
6.					
7.					
8.					
9.					

Comments: USDOT Shipping Information:  
 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Contains Hydrofluoric and Hydrochloric Acid), 8, UN3264, PG II

### SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	<b>212F</b>	Specific Gravity (water=1)	<b>1.1</b>
Vapor Pressure (mm Hg)		Melting Point:	<b>N/A</b>
Vapor Density (AIR=1)	<b>&gt;1</b>	Evaporation Point:	<b>N/A</b>
Solubility in Water:	<b>Complete</b>	Butyl Acetate=1)	<b>N/A</b>
Appearance	<b>Clear to White</b>	Odor:	<b>Acidic</b>

### SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used):	<b>N/A</b>	Flammable Limits:	<b>N/A</b>	LEL:	<b>N/A</b>	UEL:	<b>N/A</b>
Extinguishing Media	<b>Foam, CO2, Halon – DO NOT USE WATER!</b>						
Special Fire Fighting Procedures:	<b>Wear full protective clothing &amp; NIOSH approved breathing apparatus</b>						
Unusual Fire and Explosion Hazards:	<b>Avoid getting water in containers; water can generate heat and splattering; corrosive fumes are heavier than air.</b>						

---

---

**SECTION V: REACTIVITY DATA****PRODUCT NUMBER SP-35**

---

---

Stability: Stable

Conditions to avoid: **N/A**Incompatibility (Materials to Avoid): **Avoid strong alkalis, sulfides, and soft metals. Will etch glass.**Hazardous Decomposition or Byproducts: **Reaction with organic materials and soft metals may release explosive hydrogen gas.**Hazardous Polymerization: May Occur:  Will Not Occur: **X**Conditions to Avoid: **N/A**

---

---

**SECTION VI: HEALTH HAZARD DATA**

---

---

Routes of Entry: Inhalations: **YES** Skin: **YES** Ingestion: **YES** Eyes: **YES**

Health Hazards (Acute and Chronic):

INHALATION **TOXIC**; Inhalation of vapors, dusts or substance may cause severe injury, burns or death. Inhalation produces damaging effects to mucous membranes and upper respiratory tract. May cause lung edema. Seek immediate medical attention.

SKIN Corrosive. Remove from contamination. Wash affected area with water. Symptoms of redness, pain, and severe burn can occur. Seek immediate medical attention.

INGESTION Corrosive If swallowed, **DO NOT INDUCE VOMITING**. Give large quantities of water. Seek immediate medical attention.

EYES Corrosive. Contact can cause blurred vision, redness, severe tissue damage and blindness. Irrigate eyes with water for at least 15 minutes. Seek immediate medical attention.

Carcinogenicity: **N/A** NTP: **N/A** IARC Monographs **N/A** OSHA/WISHA Reg. **N/A**

Signs and Symptoms of Exposure:

Corrosive. Redness, Severe Pain, Severe Burns, Loss of Breath, Unconsciousness, Death

Medical Conditions Generally Aggravated by Exposure:

Asthma or respiratory ailments need extra respiratory protection.

Emergency and First aid Procedure:

INHALATION: Move victim to fresh air. Give artificial respiration if victim is not breathing. **Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.** Administer oxygen if breathing is difficult.

SKIN: Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin or with running water for at least 20 minutes. Seek immediate medical attention.

INGESTION: If swallowed, **DO NOT INDUCE VOMITING!** Give large quantities of water or milk. Seek immediate medical attention.EYES: Flush with water for at least 20 minutes, while holding the upper and lower eyelids open. Seek medical attention.

---

---

**SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE**

---

---

Steps to be Taken in Case Material is Released or Spilled:

Provide adequate ventilation, remove all ignition sources. Wear appropriate protective clothing. **DO NOT FLUSH TO SEWERS OR WATERWAYS.** Apply Magnesium Sulfate (dry) to the spill area. Follow with an inert absorbent and add soda ash or magnesium oxide and slaked lime. Collect in appropriate containers and save for disposal.Precautions to be taken in Handling and Storing: Keep tightly closed in polyethylene containers. Store in a cool dry place with adequate ventilation, separated from other chemicals. Store away from all alkali materials and soft metals. **DO NOT REUSE EMPTY CONTAINERS.**Other precautions: **KEEP THIS AND ALL CHEMICALS AWAY FROM CHILDREN**

---

---

**SECTION VIII: CONTROL MEASURES**

---

---

Respiratory Protection: NIOSH approved full face protector with acid gas cartridge

Ventilation: Local and/or general exhaust is recommended

Local Exhaust: YES

Mechanical: Yes, preferred

Special:

Protective Gloves: Wear protective clothing including boots made of polyvinyl chloride (PVC) or neoprene. All clothing needs to be long sleeve and/or have gauntlets of PVC or neoprene

Eye Protection: Use chemical goggles or full face shield

Other Protective Clothing or Equipment:

---

---