



**INNOVATIVE  
CHEMICAL  
CORPORATION**

7769 95th Street South  
Cottage Grove, MN 55016

## SAFETY DATA SHEET

**Revision Date:** 8/14/2015  
**Emergency Phone:** 1-800-535-5053 (Infotrac)

### Section 1: Identification

**Product Name:** Low pH Presoak II - Low % HF      **Code:** 98PL200  
**Chemical Type:** Liquid      **Manufacturer/Supplier:**  
Innovative Chemical Corporation  
7769 95th Street South  
Cottage Grove, MN 55016  
651-649-1762

### Section 2: Hazard(s) Identification

#### GHS Classification

Skin corrosion	Category 1A
Serious eye damage	Category 1
Aspiration hazard	Category 1B

#### Label elements

**Signal word:** Danger  
**Hazard statements:** Causes severe skin burns and eye damage.  
May cause cancer.



#### Precautionary Statements

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection. Use personal protective equipment as required.

**Response:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. IF exposed or concerned: Get medical advice/ attention. Wash contaminated clothing before reuse.

**Storage:** Store locked up.

**Disposal:** Dispose of contents/container in accordance with local regulation.

#### Carcinogenicity:

<b>IARC</b>	Group 2A: Probably carcinogenic to humans Methyl Methanesulfonate
<b>ACGIH</b>	Suspected human carcinogen sulphuric acid
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>NTP</b>	Reasonably anticipated to be a human carcinogen Methyl Methanesulfonate

### Section 3: Composition/Information on Ingredients

**Substance or mixture:** Mixture  
**Other means of identification:** Not available.

#### CAS number/other identifiers

**CAS number:** Not applicable.

Hazardous Components		
Chemical Name	%weight	CAS
Alcohols, C10-14, ethoxylated	>6	66455-15-0
methanesulphonic acid	>6	75-75-2
sulphuric acid	>6	7664-93-9
dodecyldimethylamine oxide	>3	1643-20-5
Methyl Methanesulfonate	>0.66	66-27-3

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational limits, if available are listed in Section 8.

### Section 4: First-Aid Measures

#### Description of first aid measures

<b>General advice</b>	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
<b>If inhaled</b>	Remove to fresh air. If symptoms persist, call a physician. If breathing is irregular or stopped, administer artificial respiration.
<b>In case of skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Get medical attention immediately if irritation persists.
<b>In case of eye contact</b>	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
<b>If swallowed</b>	Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

See toxicological information (Section 11)

### Section 5: Fire-Fighting Measures

#### Extinguishing media

<b>Suitable extinguishing media</b>	Dry chemical
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<b>Unsuitable extinguishing media</b>	High volume water jet
<b>Hazardous combustion products</b>	Do not allow run-off from fire fighting to enter drains or water courses.
<b>Specific extinguishing methods</b>	Carbon dioxide (CO <sub>2</sub> ) Carbon monoxide Smoke Sulphur oxides
<b>Further information</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus for firefighting if necessary.

### Section 6: Accidental Release Measures

#### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions, protective equipment and emergency procedures</b>	Use personal protective equipment.
<b>Environmental precautions</b>	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
<b>Methods and materials for containment and cleaning up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

### Section 7: Handling and Storage

#### Precautions for safe handling

<b>Advice on safe handling</b>	Avoid exposure - obtain special instructions before use. Do not ingest. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.
<b>Conditions for safe storage</b>	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
<b>Materials to avoid</b>	Store and keep away from bases and alkalis.

### Section 8: Exposure Controls/Personal Protection

#### Control parameters

##### Components with workplace control parameters

Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
sulphuric acid	TWA (Thoracic fraction)	0.2 mg/m <sup>3</sup>	ACGIH
	TWA	1 mg/m <sup>3</sup>	NIOSH REL
	TWA	1 mg/m <sup>3</sup>	OSHA Z-1
	TWA	1 mg/m <sup>3</sup>	OSHA P0

#### Personal protective equipment

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<b>Respiratory protection</b>	In the case of vapor formation use a respirator with an approved filter.
<b>Hand protection</b>	The suitability for a specific workplace should be discussed with the producers of the protective gloves.
<b>Eye protection</b>	Eye wash bottle with pure water. Tightly fitting safety goggles. Wear face-shield and protective suit for abnormal processing problems.
<b>Skin and body protection</b>	Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.
<b>Hygiene measures</b>	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

### Section 9: Physical and Chemical Properties

<b>Physical state</b>	Liquid
<b>Color</b>	Clear
<b>Odor</b>	None Added
<b>Odor threshold</b>	Not available
<b>pH</b>	1
<b>Boiling Point</b>	100 °C
<b>Flash Point</b>	Closed cup: Not applicable. [Product does not sustain combustion.]
<b>Evaporation rate</b>	Not available
<b>Upper explosion limit</b>	Not available
<b>Lower explosion limit</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Relative vapor density</b>	Not available
<b>Density</b>	1.063 g/cm <sup>3</sup>
<b>Solubility</b>	Easily soluble in cold and hot water.
<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Thermal decomposition</b>	Not available
<b>Viscosity</b>	Not available

### Section 10: Stability and Reactivity

<b>Reactivity:</b>	Stable
<b>Chemical stability:</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	No decomposition if stored and applied as directed.
<b>Conditions to avoid:</b>	no data available
<b>Incompatible materials:</b>	Alkali metals

**Hazardous decomposition products:** Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Sulphur oxides

## Section 11: Toxicological Information

### Acute toxicity

Acute oral toxicity	Acute toxicity estimate : > 5,000 mg/kg Method: Calculation method
Acute dermal toxicity	Acute toxicity estimate : > 5,000 mg/kg Method: Calculation method

### Methanesulphonic acid

Acute oral toxicity	LD50 Oral rat, male and female: 649 mg/kg
Acute inhalation toxicity	LC50 rat: 1.1 - 1.4 mg/l Exposure time: 6 h
Acute dermal toxicity	LD50 Dermal rabbit: > 1,000 - 2,000 mg/kg

### Methyl Methanesulfonate

Acute oral toxicity	LD50 Oral rat: 225 mg/kg
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### Skin corrosion/irritation

Remarks	Extremely corrosive and destructive to tissue.
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### Serious eye damage/eye irritation

Remarks	May cause irreversible eye damage.
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### Respiratory or skin sensitisation

Not available

### Germ cell mutagenicity

Not available

### Carcinogenicity

Not available

### Reproductive toxicity

Alcohols, C10-14, ethoxylated:  
methanesulphonic acid:  
sulphuric acid:  
dodecyldimethylamine oxide:

### Specific target organ toxicity (single exposure)

Not available.

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration toxicity**

Not available

**Further information**

Not available

**Section 12: Ecological information****Ecotoxicity**

Not available.

**Persistence and degradability**

Not available.

**Bioaccumulative potential**

Partition coefficient	Remarks
noctanol/water	no data available
methanesulphonic acid	log Pow:
Partition coefficient: noctanol/water	-2.38 (20 °C)

**Mobility in soil**Soil/water partition coefficient ( $K_{oc}$ ): Not available

Other adverse effects: No known significant effects or critical hazards.

<b>Regulation</b>	40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
<b>Remarks</b>	This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
<b>Additional ecological information</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life.

**Section 13: Disposal considerations****Waste from residues**

The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations.

**Contaminated packaging**

Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

**Section 14: Transport information**

Regulatory info	UN number	Proper shipping name	Classes	PG	Environmental hazards	Additional info
DOT Classification	3264	Corrosive liquid, acidic, inorganic, n.o.s. (METHANESULFONIC ACID, SULFURIC ACID)	8	II.		
TDG Classification	3264	Corrosive liquid, acidic, inorganic, n.o.s. (METHANESULFONIC ACID, SULFURIC ACID)	8	II.		
Mexico Classification	3264	Corrosive liquid, acidic, inorganic, n.o.s. (METHANESULFONIC ACID, SULFURIC ACID)	8	II.		
ADR/RID Class	3264	Corrosive liquid, acidic, inorganic, n.o.s. (METHANESULFONIC ACID, SULFURIC ACID)	8	II.		
IMDG Class	3264	Corrosive liquid, acidic, inorganic, n.o.s. (METHANESULFONIC ACID, SULFURIC ACID)	8	II.		
IATA-DGR Class	3264	Corrosive liquid, acidic, inorganic, n.o.s. (METHANESULFONIC ACID, SULFURIC ACID)	8	II.		

**Special precautions for user:** Not available

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not available

**National Regulations:** Not available

**Special precautions for user:** Not available

### Section 15: Regulatory information

#### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No	Component RQ (lbs)	Calculated product RQ (lbs)

sulphuric acid	7664-93-9	1000	*
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\*: Calculated RQ exceeds reasonably attainable upper limit.

### SARA 311/312 Hazards

Acute Health Hazard

Chronic Health Hazard

### SARA 302

The following components are subject to reporting levels established by SARA Title III, Section 302:

sulphuric acid 7664-93-9 5.9003 %

### SARA 313

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

Methyl Methanesulfonate 66-27-3

### The components of this product are reported in the following inventories:

<b>TSCA</b>	On TSCA Inventory
<b>DSL</b>	All components of this product are on the Canadian DSL
<b>AICS</b>	On the inventory, or in compliance with the inventory
<b>NZIoC</b>	Not in compliance with the inventory
<b>PICCS</b>	On the inventory, or in compliance with the inventory
<b>IECSC</b>	Not in compliance with the inventory

### Inventory Acronym and Validity Area Legend:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECl (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

## Section 16: Other information

#### Hazardous Material

#### Information System (U.S.A.):

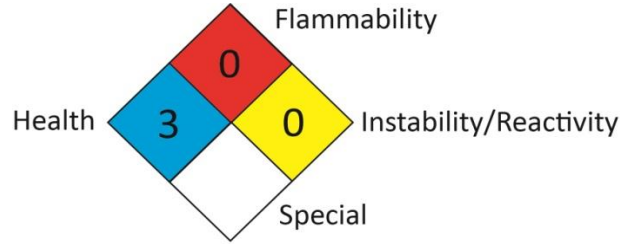
Health	*3
Flammability	0
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J.J. Keller (800) 327-6868.



The customer is responsible for determining the PPE code for this material.

National Fire Protection  
Association:



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### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist