

1. IDENTIFICATION

Product Identifier

Product Name ACID WASH 201

Recommended use of the chemical and restrictions on use

Recommended use Acid cleaner
Restrictions on use For industrial use only

Supplier details

West Penetone Inc.
 11411-160 Street
 Edmonton, AB,
 T5M3T7
 Tel: 780-454-3919

Emergency Telephone Number

Canutec (613)-996-6666

2. HAZARDS IDENTIFICATION

Classification

Corrosive to metals	Category 1
Acute toxicity, oral	Category 3
Acute toxicity, dermal	Category 3
Acute toxicity, inhalation - mists	Category 3
Skin corrosion/irritation	Category 1A
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity – single exposure	Category 3
Specific target organ toxicity – repeated exposure	Category 2
Hazardous to the aquatic environment, acute hazard	Category 3

Label Elements

DANGER

Hazard Statements

May be corrosive to metals.
 Toxic if swallowed.
 Toxic in contact with skin.
 Toxic if inhaled.
 Causes severe skin burns and eye damage.
 May cause respiratory irritation.
 May cause damage to organs (bone, joint, skin) through prolonged or repeated exposure (inhalation, ingestion, skin)
 Harmful to aquatic life



Precautionary Statements - Prevention

Keep only in original packaging.
 Do not breathe dust/fume/gas/mist/vapours/spray.
 Wash face, hands and any exposed skin thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

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 ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Specific treatment calcium gluconate gel. Wash contaminated clothing before reuse.

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 SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Get medical advice/attention if you feel unwell.

Absorb spillage to prevent material damage.

Precautionary Statements - Storage

Store in corrosive resistant/container with a resistant liner. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
sulphuric acid	7664-93-9	3-7
alcohols, (C12-15 ln. saturated), ethoxylate	68131-39-5	0.5-1.5
hydrofluoric acid	7664-39-3	0.5-1.5

4. FIRST AID MEASURES

Eye contact

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 available, apply one or two drops of 0.5% "pontocain hydrochloride solution" followed by further rinsing. Irrigate with 1% calcium gluconate in normal saline for 1 to 2 hours to prevent or lessen possible corneal damage.

Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If available, immerse exposed area in a solution of 0.13% iced aqueous "zephiran chloride" or directly apply 2.5% calcium gluconate gel.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Ingestion

Do not induce vomiting. Drink 1 or 2 glasses of water, milk, or milk of magnesia. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Causes irritation or burns to eyes, skin and mucous membranes. Symptoms include pain with local reddening, blistering, ulceration or discoloration of tissues. Delayed effects include hypocalcaemia, cardiac arrhythmias, hypomagnesaemia, and hyperkalemia.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

Water jet.

Specific hazards arising from the chemical

The product causes burns of eyes, skin and mucous membranes.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation of the area.

Environmental Precautions

Avoid discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Contain, neutralize, and solidify with inert absorbent material. Keep in suitable, closed containers for disposal. Following recovery of product, flush area with plenty of water. For large spills, stop flow of material, prevent product from entering drains, and pump off product where this is without risk and possible. Proceed as above.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling Avoid contact with skin, eyes and clothing. Add product to water. Use adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place, above 0°C.

Incompatible Materials Strong or chlorinated alkali, amphoteric or light metals

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
sulphuric acid 7664-93-9	TWA: 0.2 mg/m ³ ceiling	TWA: 1 mg/m ³	15mg/m ³
hydrofluoric acid 7664-39-3	3 ppm - ceiling	TWA: 3 ppm ceiling STEL: 6 ppm – 15 min	30 ppm

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection Splash proof goggles and face shield.

Skin and body protection Rubber or neoprene gloves, rubber apron and boots.

Respiratory Protection Respiratory protection if ventilation is inadequate or in case of vapor/aerosol release.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practices. Wash soiled clothing immediately. Eyewash and shower facilities should be available where this product is handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE :
Clear, red liquid

VAPOR PRESSURE, mm Hg AT 20°C :
Not available

ODOR

Acidic

ODOR THRESHOLD :

Not applicable

pH :

<1.0

MELTING POINT / FREEZING POINT :

Approx. -5 °C

BOILING POINT/BOILING RANGE :

Approx. 100 °C

FLASH POINT :

None

EVAPORATION RATE, water = 1 :

1

FLAMMABILITY (SOLID, GAS):

Not applicable

VAPOR DENSITY (Air = 1) :

Not available

RELATIVE DENSITY AT 20°C:

1.080-1.085

SOLUBILITY IN WATER :

Complete

PARTITION COEFFICIENT, N-OCTANOL/WATER :

Not available

AUTO-IGNITION TEMPERATURE :

Not available

DECOMPOSITION TEMPERATURE:

Not available

VISCOSITY:

Not available

FLAMMABLE LIMITS :**UPPER:** Not applicable **LOWER :** Not applicable**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions.

Conditions to Avoid

Store away from incompatible materials.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

None

Incompatible Materials

Strong or chlorinated alkali, amphoteric or light metals.

Hazardous decomposition products

Oxides of sulfur, acid vapors, toxic fumes.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
sulphuric acid 7664-93-9	2140 mg/kg (rat)	Not available	255 mg/m ³ – 4 h (rat)
alcohols, C12-C15, ethoxylated 68131-39-5	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
hydrofluoric acid 7664-39-3	Not listed	Not listed	1300 ppm – 60 min (rat)

Information on likely sources of exposure**Serious eye damage/irritation**

Corrosive to eyes and may cause grave lesions, including blindness.

Skin corrosion/irritation

Corrosive to skin with prolonged contact.

Ingestion

Ingestion may cause burns to the digestive and respiratory tract.

Inhalation

Spray mist may cause irritation or burns to respiratory tract.

Delayed and immediate effects and also chronic effects from short and long-term exposure**Respiratory or skin sensitization**

Not a sensitizer.

Germ cell mutagenicity

None known.

Carcinogenicity

No listed human carcinogens.

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT-repeated exposure

hydrofluoric acid (CAS 7664-39-3) 2 Prolonged exposure may cause bone and joint changes in humans

Aspiration Hazard

None known.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms include tingling sensation and / or reddening of tissues, eventually leading to burn lesions.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Chemical Name	Fish	Waterflea	Algae
sulphuric acid 7664-93-9	500 mg/L: 96 h brachydanio rerio LC50	Not available	Not available
alcohols, C12-C15, ethoxylated 68131-39-5	5-10 mg/L: 96 h LC50	5-10 mg/L: 48 h EC50	10-100 mg/L: 72 h EC50
hydrofluoric acid 7664-39-3	60 ppm: fresh water fish, lethal	Not available	Not available

Persistence and degradability

Not applicable to inorganic materials.

Bioaccumulative potential

Significant accumulation in organisms is not to be expected.

Mobility in soil

No information available

Other adverse effects

Do not release untreated in natural waters.

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION**TDG classification**

UN 1786, Hydrofluoric Acid and Sulfuric Acid Mixture, Class 8 (6.1), PG I

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION**Preparation Date**

19 August, 2016

Revision Date

not applicable

Revision Note

not applicable

Disclaimer

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End of SDS