

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** NEUTRO 7  
**Chemical Name** Sulphuric acid solution

**Recommended use of the chemical and restrictions on use**

**Recommended use** pH modifier – sludge and waste  
**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 1-(613)-996-6666 Internationally or 1-888-226-8832 – North America FOR 24 HOUR TRANSPORT EMERGENCY

## 2. HAZARDS IDENTIFICATION

**Classification**

Corrosive to metals	Category 1
Skin corrosion/irritation	Category 1A
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity – single exposure	Category 3
Hazardous to the aquatic environment, acute hazard	Category 3

**Label Elements**

**DANGER**

**Hazard Statements**

May be corrosive to metals.  
 Causes severe skin burns and eye damage.  
 May cause respiratory irritation.  
 Harmful to aquatic life.



**Precautionary Statements - Prevention**

Keep only in original packaging.  
 Do not breathe dusts or mists.  
 Wash face, hands, and any exposed skin thoroughly after handling.  
 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**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.  
 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.  
 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	30-60

### 4. FIRST AID MEASURES

<b>Eye contact</b>	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.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
<b>Ingestion</b>	Do not induce vomiting. Drink 1 or 2 glasses of water. 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**

Exposure causes severe burns or damage to eyes, skin, and mucous membranes. Symptoms include pain with local reddening, blistering, ulceration, or discoloration of tissues. Aspiration may cause severe lung damage.

**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. High risk of slipping due to leakage/spillage of product.

**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 product recovery, 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** Use recommended PPE. Handle and open containers with care. Avoid contact with skin, eyes and clothing. Avoid inhalation of mist/vapors/spray. Keep containers closed when not in use.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place away from incompatible materials. Do not store below 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 <sup>3</sup> ceiling	TWA: 1 mg/m <sup>3</sup>	15mg/m <sup>3</sup>

### 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/mist/aerosol release.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Wash soiled clothing immediately.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### **APPEARANCE :**

Clear, colorless liquid

#### **ODOR :**

Acidic

#### **ODOR THRESHOLD :**

Not applicable

#### **pH :**

<1.0

#### **MELTING POINT / FREEZING POINT :**

Approx. -5 °C (23°F)

#### **BOILING POINT/BOILING RANGE :**

Approx. 100 °C (212°F)

#### **FLASH POINT :**

None

#### **EVAPORATION RATE, water = 1 :**

1

#### **FLAMMABILITY (SOLID, GAS) :**

Not applicable

#### **VAPOR PRESSURE, mm Hg AT 20°C (68°F) :**

Not available

#### **VAPOR DENSITY (Air = 1) :**

Not available

#### **RELATIVE DENSITY AT 20°C (68°F) :**

1.300-1.400

#### **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.

### Chemical Stability

Stable under normal conditions.

### Incompatible Materials

Strong or chlorinated alkali, amphoteric or light metals.

### Conditions to Avoid

Store away from incompatible materials.

### Possibility of hazardous reactions

Chlorine gas may be generated if mixed with chlorine based products. Contact with amphoteric or light metals may product flammable hydrogen gas.

### Hazardous decomposition products

Oxides of sulfur, acid vapors, toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

**ATE<sub>mix</sub>** – LD50 oral – approx. 4280 mg/kg (rat), LD50 dermal – not available, LC50 inhalation-mist – approx. 1 mg/L – 4 h (rat)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
sulphuric acid 7664-93-9	2140 mg/kg (rat)	Not available	255 mg/m <sup>3</sup> – 4 h (rat)

### Information on likely sources of exposure

#### **Ingestion**

Ingestion may cause burns to the digestive and respiratory tract.

#### **Skin corrosion/irritation**

Corrosive to skin. Effects may be delayed and lead to damage without the onset of pain. May cause irritation, local reddening, blistering, ulceration, discoloration, necrosis, or permanent scarring of skin, depending on concentration.

#### **Inhalation**

Spray mist may cause irritation or burns to respiratory tract.

#### **Serious eye damage/irritation**

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

### 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 information available.

#### **Reproductive toxicity**

No information available.

#### **STOT - single exposure**

No information available.

#### **STOT-repeated exposure**

No information available.

#### **Aspiration Hazard**

None known.

### Symptoms related to the physical, chemical and toxicological characteristics

Symptoms include coughing, choking, or shortness of breath as well as tingling or itching 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

### 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**

UN Number: 3264  
UN Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, N.O.S. (contains sulphuric acid)  
Transport Hazard Class(es)  
Class: TDG: 8  
US DOT: 8  
IMDG: 8  
Label(s): 8  
Packing Group: II  
Marine Pollutant: No  
Special precautions for user: None established  
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:  
Not determined

**15. REGULATORY INFORMATION**

## Canada (DSL/NDSL)

All ingredients contained in this product are in compliance with the Canadian Environmental Protection Act and are listed on the DSL or are exempt.

## United States (TSCA)

All ingredients contained in this product are listed on the TSCA inventory or are exempt.

## HMIS Information:

Health: 3  
Flammability: 0  
Reactivity: 0

**16. OTHER INFORMATION**

**Preparation Date** 13 October 2016  
**Revision Date** 23 April 2018  
**Revision Note** Revision 2 - Modifications to Section 1, 7, 11, 14, 15

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of SDS**