

1. IDENTIFICATION

Product Identifier

Product Name NEUTRO 7

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 (613)-996-6666

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

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/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.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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

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.

Skin contact Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

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. 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 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 ³ ceiling	TWA: 1 mg/m ³	15mg/m ³

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

VAPOR PRESSURE, mm Hg AT 20°C :

Not available

VAPOR DENSITY (Air = 1) :

Not available

RELATIVE DENSITY AT 20°C:

1.300-1.400

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

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

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

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

ATE_{mix} – 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 ³ – 4 h (rat)

Information on likely sources of exposure

Serious eye damage/irritation

Skin corrosion/irritation

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

Ingestion

Inhalation

Ingestion may cause burns to the digestive and respiratory tract.
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

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

STOT - single exposure

STOT-repeated exposure

Aspiration Hazard

Not a sensitizer.
None known.
No information available.
No information available.
No information available.
No information available.
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**TDG classification**

UN 3264, Corrosive Liquid, Acidic, Inorganic, N.O.S. (contains sulphuric acid), Class 8, PG II

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION**Preparation Date**

13 October, 2016

Revision Date

14 November, 2017

Revision Note

Adjustments to Category 2 hazard ratings.

Disclaimer

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End of SDS