

1. IDENTIFICATION

Product Identifier

Product Name West CO-50

Recommended use of the chemical and restrictions on use

Recommended use Coagulant for waste water treatment
Restrictions on use For industrial use only

Supplier details

West Penetone Inc.
10900 Sécant
Montreal, Quebec, H1J 5S1
Tel: (514) 355-4660

Emergency Telephone Number

Canutec: (613) 996-6666

2. HAZARDS IDENTIFICATION

Classification

Skin Corrosion / Irritation	Category 1
Eye damage / Irritation	Category 1
Corrosive to metal	Category 1

Label Elements

Danger

Hazard Statements

Cause severe skin burns and eye damage.
Cause serious eyes damage
May be corrosive to metal



Precautionary Statements - Prevention

Do not breathe dust / fume / gas / mist / vapors / spray.
Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Keep only in original packaging.

Precautionary Statements - Response

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 ON SKIN (or hair): Remove/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 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.
Absorb spillage to prevent material damage.

Precautionary Statements - Storage

Store in a corrosion resistant container.

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 (%)
Aluminum chloride hydroxide sulphate	39290-78-3	10-30

4. FIRST AID MEASURES

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.
Skin contact	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse. Seek medical attention if irritation progresses and persists.
Inhalation	Remove person to fresh air and keep at rest in a position comfortable for breathing. Practice artificial respiration if the victim is no longer breathing. Seek immediate medical attention if breathing difficulties persist.
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

Can be harmful if ingested. The liquid causes severe irritation, resulting in discomfort or pain, excessive blinking and secretion of tears, sharp excess redness and swelling in the conjunctiva, and chemical burns to the cornea. Prolonged single exposure should not result in the product being absorbed through the skin in harmful amounts. Ingestion of larger amounts could cause injury.

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

None

Specific hazards arising from the chemical

Releases toxic fumes in fire conditions. Containers exposed to intense heat in the event of a fire must be cooled with water to prevent an increase in vapour pressure, which could cause them to rupture.

Protective Equipment and Precautions for Firefighters

Firefighters must wear self-contained breathing apparatus and full firefighting response clothing. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Environmental Precautions

Prevent further leaks or spills where safely possible. Should not be released into the environment.

Methods and material for containment and cleaning up

Neutralize with lime milk, limestone or sodium carbonate.

Minor spill: recover using an absorbent substance and put in containers with a shovel.

Major spill: avoid contamination of waterways. Contain and pump into appropriate containers. Clean what remains with an absorbent material and put in an appropriate recovery container; wash with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling

Avoid contact with eyes, skin and clothing. Avoid opening and closing containers frequently. Wear complete protective equipment. Treat as a diluted acid. Avoid contact with metals.

Conditions for safe storage, including any incompatibilities

Storage

Keep the container tightly closed. Keep in a cool, well-ventilated place. Store away from direct sunlight. The product has a shelf life of 12 months. Store in rubber-lined plastic or reinforced plastic containers. Store at a temperature between 10°C - 30°C. Reason: integrity. Do not store in containers made of aluminum, aluminum alloys, brass, copper and ordinary steel.

Incompatible Materials

Strong bases

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

In its commercial form, this product does not contain any hazardous materials with occupational exposure limits set by region-specific regulators

Chemical Name	ACGIH TLV
Aluminum chloride hydroxide sulphate CAS No. 39290-78-3	No data available

Appropriate engineering controls

Engineering Controls

Local exhaust ventilation as required to maintain exposures within applicable limits.

Individual protection measures, such as personal protective equipment

Eye/face Protection

Safety goggles and/or mask covering the entire face if the product is handled in a way where there could be splashing in the eyes.

Skin and body protection

Wear rubber or neoprene gloves, rubber apron and boots.

Respiratory Protection

If exposure exceeds workplace limits, use an appropriate NIOSH-approved respirator. Use a NIOSH approved acid gases cartridge respirator.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Amber liquid - transparent

ODOR

Odourless

ODOR THRESHOLD

No data available

pH

2.1 – 3.1

MELTING POINT / FREEZING POINT

-12°C

BOILING POINT/BOILING RANGE

102°C

FLASH POINT

No data available

EVAPORATION RATE, water = 1

No data available

VAPOR PRESSURE, mm Hg AT 20°C

17

VAPOR DENSITY (Air = 1)

1.3

RELATIVE DENSITY AT 20°C

1.18-1.28

SOLUBILITY IN WATER

Complete

PARTITION COEFFICIENT, N-OCTANOL/WATER

No data available

AUTO-IGNITION TEMPERATURE

No data available

DECOMPOSITION TEMPERATURE

No data available

VISCOSITY

No data available

FLAMMABILITY (SOLID, GAS)

Not applicable

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

Stable under normal conditions.

Conditions to Avoid

Stable under normal conditions.

Chemical Stability

No additional remarks

Possibility of hazardous reactions

Incompatible materials. High temperatures.

Incompatible Materials

Strong bases. Aluminium. Strong Alkalis. Contact with reactive metals can produce a flammable hydrogen gas. Nylon. Stainless steel or ordinary steel

Hazardous decomposition products

Under fire conditions, a hydrogen chloride gas can be released. Sulphur oxides. Aluminum oxides.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

No data available

The following values are calculated according to Chapter 3.1 of the GHS document.

ATE mix (oral) 5 005 mg/kg

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Aluminum chloride hydroxide sulphate CAS No. 39290-78-3	> 5 000 mg/kg (rat)	No data available	No data available

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

The fluid causes severe irritation, resulting in discomfort or pain, excessive blinking and secretion of tears, sharp excess redness and swelling in the conjunctiva, and chemical burns in the cornea.

Skin corrosion/irritation

Prolonged single exposure should not result in the skin absorbing the product in harmful amounts.

Ingestion

May be harmful if swallowed. Ingestion of larger amounts could cause injury. Ingestion may result in gastrointestinal irritation or ulceration.

Inhalation

No specific test data is available for the substance or mixture.

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

Not a sensitizer.

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Toxicity for certain target organs - single exposure

No data available

Toxicity for certain target organs - repeated exposure

No data available

Aspiration Hazard

No data available

Symptoms related to the physical, chemical and toxicological characteristics

Severe irritation and/or burns to exposed tissues. Symptoms include a tingling sensation and/or the appearance of redness to the tissues.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The environmental effects of this product have not been fully studied.

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers must be made available to local plants for recycling, recovery or disposal.

14. TRANSPORT INFORMATION**TDG classification**

UN3264, INORGANIC LIQUID, CORROSIVE, ACIDIC, N.O.S. (ALUMINUM CHLORIDE HYDROXIDE SULPHATE), CLASS 8, PG III

15. REGULATORY INFORMATION

All components of the product are listed in the Domestic Substances List (DSL), in the Non-domestic Substances List (NDSL) or they are exempt.

16. OTHER INFORMATION

Preparation Date	September 30 th , 2021
Revision Date	Not applicable
Revision Note	Not applicable

Disclaimer

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End of SDS