

West B-3505

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Prepared June 4th, 2021
SDS : West B-3505 FDS GHS EN

1. IDENTIFICATION

Product Identifier

Product Name West B-3505

Recommended use of the chemical and restrictions on use

Recommended use Sludge conditioner for boilers
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

Corrosive to metal	Category 1
Skin Corrosion / Irritation	Category 1
Eye damage / Irritation	Category 1
Specific target organ toxicity - single exposure	Category 3

Label Elements

Danger

Hazard Statements

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



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

None

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 (%)
Potassium hydroxide	1310-58-3	5-9
1-Hydroxyethylidene-diphosphonic acid	2809-21-4	1-3
2-Méthyl-2-propionic acid	54193-36-1	1-3

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

Causes burns to eyes, skin and mucous membranes. Symptoms include tingling sensation and / or reddening of tissues. Symptoms may include tingling, watery eyes, redness, swelling and blurred vision. May cause permanent eye damage, including loss of sight. May irritate the airways.

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

No data available.

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. 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

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

Major spill: Avoid contamination of waterways. Contain and pump in appropriate containers. Clean up what is left with absorbent material and put in a proper 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 full protective equipment.

Conditions for safe storage, including any incompatibilities

Storage Keep the container ly closed. Keep in a cool and well-ventilated place. Store away from direct sunlight. Avoid freezing or excessive heat.

Incompatible Materials No data available

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
Poassium hydroxide CAS No. 1310-58-3	2 mg/m ³

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 alkaline steam cartridge respirator.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Amber liquid

ODOR

Sweet

ODOR THRESHOLD

No data available

pH

12-13

MELTING POINT / FREEZING POINT

-10°C

BOILING POINT/BOILING RANGE

> 100°C

FLASH POINT

Not applicable

EVAPORATION RATE, water = 1

No data available

FLAMMABILITY (SOLID, GAS)

Not applicable

VAPOR PRESSURE, mm Hg At 20°C

No data available

VAPOR DENSITY (Air = 1)

No data available

RELATIVE DENSITY AT 20°C

1.07

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

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

Strong acids

Possibility of hazardous reactions

No data available

Incompatible Materials

No data available

Hazardous decomposition products

None

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

No data available

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium hydroxide CAS No. 1310-58-3	282 mg/kg (rat)	No data available	No data available
1-hydroxyethylidene-diphosphonic acid CAS No. 2809-21-4	1 878 mg/kg (rat)	>6 000 mg/kg (rabbit)	No data available
2-Methyl-2-propionic acid CAS No. 10124-43-3	No data available	No data available	No data available

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

The fluid can cause irritation, resulting in discomfort or pain, tingling and excessive tear secretion, excessive redness and swelling at the conjunctiva.

Skin corrosion/irritation

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

Ingestion

Ingestion may cause burns to the digestive and respiratory tract.

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 to exposed 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**

UN1760, CORROSIVE LIQUID, N.O.S. (POTASSIUM HYDROXIDE), CLASS 8, PG III

15. REGULATORY INFORMATION

All ingredients are listed on the DSL.

16. OTHER INFORMATION

Preparation Date	June 4 th , 2021
Revision Date	Not applicable
Revision Note	Not applicable

Disclaimer

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End of SDS