

West B-3204

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Prepared June 4th, 2021
SDS : West B-3204 FDS GHS EN

1. IDENTIFICATION

Product Identifier

Product Name West B-3204

Recommended use of the chemical and restrictions on use

Recommended use Neutralizing amines for steam water treatment in 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

Flammable liquid	Category 3
Acute toxicity, oral	Category 4
Acute toxicity, dermal	Category 3
Skin corrosion / Irritation	Category 1
Serious eye damage / eye irritation	Category 1
Reproductive toxicity	Category 2
Specific target organ toxicity – repeated exposure	Category 1

Label Elements

Danger

Hazard Statements

Flammable liquid and vapor
Harmful if swallowed
Toxic in contact with skin
Causes severe skin burns and eye damage
Cause serious eyes damage
Suspected of damaging fertility or the unborn child
Causes damage to organs through prolonged or repeated exposure



Precautionary Statements – Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
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

Keep cool. Store in a well-ventilated place. Keep the container sealed. Grounding and equipotential connection of the container and receiving.

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 (%)
Cyclohexylamine	108-91-8	15-30
Morpholine	110-91-8	15-30

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.

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

dizziness. nausea. Vomiting. diarrhoea. The product causes severe burns to the skin. The product causes burns to the eyes, skin and mucous membranes. Symptoms include tingling and/or redness to the 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. Prolonged exposure can cause chronic effects.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Chemical powder or carbon dioxide

Unsuitable Extinguishing Media

Do not use water to reduce the risk of spreading the fire.

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. Eliminate all sources of ignition.

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**

Keep away from heat, hot surfaces, sparks, open flames and any other source of ignition. Avoid contact with eyes, skin and clothing. Avoid opening and closing containers frequently. Wear complete protective equipment.

Conditions for safe storage, including any incompatibilities**Storage**

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

Incompatible Materials

No information 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
Cyclohexylamine CAS No. 108-91-8	10 mg/m ³
Morpholine CAS No. 110-91-8	20 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 limits are exceeded or if ventilation is inadequate, NIOSH/MSHA approved respiratory protection should be worn. Use a NIOSH-approved organic steam cartridge respirator.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE**

Colorless liquid

ODOR

Amines

ODOR THRESHOLD

No data available

VAPOR PRESSURE, mm Hg AT 20°C

No data available

VAPOR DENSITY (Air = 1)

No data available

RELATIVE DENSITY AT 20°C

0.91-0.95

pH
11-13
MELTING POINT / FREEZING POINT
< 0°C
BOILING POINT/BOILING RANGE
> 100°C
FLASH POINT
57°C (closed cup)
EVAPORATION RATE, water = 1
No data available
FLAMMABILITY (SOLID, GAS)
No data available

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
Stable under normal conditions.

Possibility of hazardous reactions
Keep away from heat and other sources of ignition.

Incompatible Materials
No data available

Hazardous decomposition products
None

11. TOXICOLOGICAL INFORMATION

Acute toxicity
Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Cyclohexylamine CAS No. 108-91-8	432 mg/kg (rat)	277 mg/kg (rabbit)	No data available
Morpholine CAS No. 110-91-2	1 050 mg/kg (rat)	500 mg/kg (rabbit)	8 000 mg/kg (Rat 8H)

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

The liquid is corrosive to the tissues.

Ingestion

The liquid is harmful if swallowed. Ingestion can cause burns to the digestive 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

Likely to harm fertility or the fetus.

Toxicity for certain target organs - single exposure

No data available

Toxicity for certain target organs - repeated exposure

There is a proven risk of serious organ effects as a result of repeated exposure or prolonged exposure.

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

Suspected being readily biodegradable

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**

UN2920, CORROSIVE LIQUID, FLAMMABLE, N.O.S. (CYCLOHEXYLAMINE), CLASSE 8 (3), GE II

15. REGULATORY INFORMATION

All ingredients are listed on the DSL.

16. OTHER INFORMATION**Preparation Date**June 4th, 2021**Revision Date**

Not applicable

Revision Note

Not applicable

Disclaimer

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End of SDS