Safety Data Sheet

1. IDENTIFICATION

Product Identifier: NO. 34 BOILER COMPOUND
Date of Revision: March 01, 2026
Product Code: S746
Other Name(s): NO. 34 BOILER COMPOUND
Distributed By: not applicable
Recommended Use and Restrictions on Use: boiler water treatment

Manufactured By:
Ostrem Chemical Co. Ltd.
2310 - 80th Avenue NW
Edmonton, Alberta, Canada T6P 1N2
www.ostrem.com

Phone/Emergency Phone:
780-440-1911
Mon. - Fri. 8:00am - 4:30pm MT

2. HAZARDS IDENTIFICATION

Classification of the Mixture: Serious Eye Damage/Irritation - Category 1
Skin Corrosion/Irritation - Category 2

Label Elements:

Hazard Pictogram(s):

Signal Word: DANGER

Hazard Statement(s):
Causes serious eye damage.
Causes skin irritation.

Precautionary Statement(s):

Prevention:
Wash hands thoroughly after handling.
Wear protective gloves and eye protection.

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 centre or physician.
IF ON SKIN: Wash with plenty of water.
If skin irritation occurs: Get medical advice.
Take off contaminated clothing and wash it before reuse.

Storage: not applicable

Disposal: not applicable

Physical/health hazards not otherwise classified:
not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Conc. w/w	CAS #	Common Names
tetrasodium salt of ethylene diamine tetraacetic acid (40%)	5 - 10%	64-02-8	
morpholine	3 - 7%	110-91-8	
sodium molybdate dihydrate	10 - 30%	10102-40-6	

4. FIRST-AID MEASURES

Necessary Measures:
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 centre or physician.
IF ON SKIN: Wash with plenty of water.
If skin irritation occurs: Get medical advice.
Take off contaminated clothing and wash it before reuse.

Most important symptoms, both acute and delayed:

Causes serious eye damage.
Causes skin irritation.

Indication of immediate medical attention and special treatment needed, if necessary:

not applicable

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use extinguishing media appropriate for surrounding fire.

Specific hazards arising from the chemical (e.g.: hazardous combustion products):

May liberate carbon monoxide, carbon dioxide and nitrogen oxides.

Special protective equipment and precautions for firefighters:

As for surrounding fire. Firefighters should wear full protective clothing and self contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment. See section 8.

Environmental precautions:

Prevent from entering sewers, waterways or low areas.

Methods and materials for containment and cleaning up:

Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

7. HANDLING AND STORAGE

Precautions for safe handling:

Wash hands thoroughly after handling.
Do not ingest. Avoid contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities:

Keep out of reach of children. Store in a cool, dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters - Exposure limits:

Ingredient:	Limit:
tetrasodium salt of ethylene diamine tetraacetic acid (40%)	not available
morpholine	ACGIH TLV-TWA: 20 ppm
sodium molybdate dihydrate	not available

Appropriate engineering controls:

Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

Respiratory protection:

If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator.

Other protection:

Wear protective gloves and eye protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	clear liquid
Colour:	Amber
Odour:	distinct odour
Melting Point and Freezing Point:	not available
Boiling point, or initial boiling point and boiling range:	not available

Flammability:	not available
Lower and upper explosion limit or lower and upper flammability limit:	not available
Flash point:	NONE
Auto-ignition temperature:	not available
Decomposition temperature:	not available
pH:	9.7
Kinematic viscosity:	not available
Solubility:	complete
Partition coefficient - n-octanol/water (logarithmic value):	not available
Vapour density:	not available
Density and Relative density:	1.084
Vapour pressure:	not available
Particle Characteristics:	not available

10. STABILITY AND REACTIVITY

Reactivity:

This material is considered to be non-reactive under normal use conditions.

Chemical stability:

Stable.

Possibility of hazardous reactions:

not available

Conditions to avoid (e.g.: static discharge, shock or vibration):

not applicable

Incompatible materials:

Oxidizers / Acid

Hazardous decomposition products:

not available

11. TOXICOLOGICAL INFORMATION

POTENTIAL ACUTE HEALTH EFFECTS

Inhalation:	High vapour concentrations caused, for example, by heating the material in an enclosed and poorly ventilated workplace, may produce nausea, vomiting, headache, dizziness, and irregular eye movements. Prolonged or repeated overexposure may result in lung damage. Prolonged or repeated overexposure may result in the absorption of potentially harmful amounts of material.
Ingestion:	May be harmful if swallowed.
Eye contact:	Causes serious eye damage.
Skin contact:	Causes skin irritation.
Skin absorption:	not available

POTENTIAL CHRONIC HEALTH EFFECTS

Inhalation:	not available
Ingestion:	not available
Eye contact:	not available
Skin contact:	not available
Skin absorption:	not available

Mutagenicity:	not available
Carcinogenicity:	This information, if applicable, can be found in Section 2.
Reproductive toxicity:	This information, if applicable, can be found in Section 2.
Sensitization of product:	This information, if applicable, can be found in Section 2.
Specific Target Organ Toxicity - single exposure:	This information, if applicable, can be found in Section 2.
Specific Target Organ Toxicity - repeated exposure:	This information, if applicable, can be found in Section 2.

Toxicological Data:

Ingredient:	Data:
tetrasodium salt of ethylene diamine tetraacetic acid (40%)	Oral LD50: 513 mg/kg (rat)
morpholine	Oral LD50: 1900 mg/kg (rat) Dermal LD50: 500 mg/kg (rabbit)
sodium molybdate dihydrate	not available

Other Toxicological Information on Ingredients:

12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available):	not available
Persistence and degradability:	not available
Bioaccumulative potential:	not available
Mobility in soil:	not available
Other adverse effects:	not available
Ecological Information on Ingredients:	not available

13. DISPOSAL CONSIDERATIONS

Waste disposal: Disposal of all waste must be done according to local, provincial and federal regulations.

14. TRANSPORT INFORMATION

TDG classification: NON-REGULATED

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

16. PREPARATION INFORMATION

Prepared by: Technical Services Department, Ostrem Chemical Co. Ltd., Ph.: 780-440-1911

Date of Preparation: March 01, 2026
Date of Revision: March 01, 2026

This Safety Data Sheet may not be changed or altered in any way without the express knowledge and permission of Ostrem Chemical Co. Ltd.

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