Safety Data Sheet

1. IDENTIFICATION

Product Identifier: BD-86 NON-PHOS. DETERGENT
Date of Revision: March 01, 2026
Product Code: S766
Other Name(s): BD-86 NON-PHOS. DETERGENT
Distributed By: not applicable
Recommended Use and Restrictions on Use: not available

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:
Carcinogenicity - Category 2
Serious Eye Damage/Irritation - Category 1
Skin Corrosion/Irritation - Category 1
Specific Target Organ Toxicity (Single Exposure) - Category 3

Label Elements:
Hazard Pictogram(s):

Signal Word: DANGER

Hazard Statement(s):
Suspected of causing cancer.
Causes serious eye damage.
Causes severe skin burns and eye damage.
May cause respiratory irritation.

Precautionary Statement(s):

Prevention:
Do not breathe dusts or mists.
Wash hands thoroughly after handling.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves, protective clothing and eye/face protection.
Avoid breathing dust, vapours or spray.
Use only outdoors or in a well-ventilated area.

Response:
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or physician.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.
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 exposed or concerned: Get medical advice.

Storage:
Store locked up.
Store locked up.
Store in a well-ventilated place.
Keep container tightly closed.

Disposal:
Dispose of contents/container in accordance with local/regional/national/international regulations.

Physical/health hazards not otherwise classified:
not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Conc. w/w	CAS #	Common Names
trisodium nitrilotriacetate	10 - 30%	5064-31-3	NTA
sodium metasilicate (58%)	30 - 60%	6834-92-0	

4. FIRST-AID MEASURES

Necessary Measures:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or physician.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.
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 exposed or concerned: Get medical advice.

Most important symptoms, both acute and delayed:

Suspected of causing cancer.
Causes serious eye damage.
Causes severe skin burns and eye damage.
May cause respiratory 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 oxides of sodium.

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:

Do not breathe dusts or mists.
Wash hands thoroughly after handling.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust, vapours or spray.
Use only outdoors or in a well-ventilated area.
Do not ingest. Avoid contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities:

Store locked up.
Store in a well-ventilated place.
Keep container tightly closed.
Keep out of reach of children. Store in a cool, dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters - Exposure limits:

Ingredient:	Limit:
trisodium nitrilotriacetate	not available
sodium metasilicate (58%)	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, protective clothing and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	granular powder
Colour:	White
Odour:	no 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:	not applicable
Auto-ignition temperature:	not available
Decomposition temperature:	not available
pH:	1% sol. 11.4
Kinematic viscosity:	not available
Solubility:	10%
Partition coefficient - n-octanol/water (logarithmic value):	not available
Vapour density:	not available
Density and Relative density:	1.000
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:

Reacts with acids, aluminum, fluorine, lithium, strong mineral acids

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: May cause respiratory tract irritation.
Ingestion: May be harmful if swallowed.
Eye contact: Causes serious eye damage.
Skin contact: Causes severe skin burns and eye damage.
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:
trisodium nitrilotriacetate	Oral LD50: 1450 mg/kg (rat)
sodium metasilicate (58%)	Oral LD50: 1153 mg/kg (rat)

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: UN 3253; DISODIUM TRIOXOSILICATE; CLASS 8; PG III

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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