

# Safety Data Sheet

## 1. IDENTIFICATION

**Product Identifier:** NBC-500 NON BUTYL CLEANER **Date of Revision:** M  
**Product Code:** J445  
**Other Name(s):** NBC-500  
**Distributed By:** HADDON HOLDINGS LIMITED  
**Recommended Use and Restrictions on Use:** cleaner  
**Manufactured By:** Ostrem Chemical Co. Ltd. Phone/Emergency F  
2310 - 80th Avenue NW 780-440-1911  
Edmonton, Alberta, Canada T6P 1N2 Mon. - Fri. 8:00am -  
www.ostrem.com

## 2. HAZARDS IDENTIFICATION

**Classification of the Mixture:** Carcinogenicity - Category 2  
Eye Damage/Irritation - Category 2A  
Skin Corrosion/Irritation - Category 2

**Label Elements:**

Hazard Pictogram(s):



Signal Word: WARNING

**Hazard Statement(s):** Suspected of causing cancer.  
Causes serious eye irritation.  
Causes skin irritation.

**Precautionary Statement(s):**

**Prevention:** 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.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact to do. Continue rinsing.  
If eye irritation persists: Get medical advice.  
IF ON SKIN: Wash with plenty of water.  
If skin irritation occurs: Get medical advice.  
Take off contaminated clothing and wash it before reuse.  
If exposed or concerned: Get medical advice.

**Storage:** Store locked up.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/inten

**Physical/health hazards not otherwise classified:**  
not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Conc. w/w</u>	<u>CAS #</u>	<u>Common I</u>
n,n-dimethyl-n-dodecylamine oxide (20-24)	5 - 10%	1643-20-5	
potassium hydroxide (45%)	3 - 7%	1310-58-3	caustic po
trisodium nitrilotriacetate	3 - 7%	5064-31-3	NTA

## 4. FIRST-AID MEASURES

### **Necessary Measures:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and start rinsing.

If eye irritation persists: Get medical advice.

IF ON SKIN: Wash with plenty of water.

If skin irritation occurs: Get medical advice.

Take off contaminated clothing and wash it before reuse.

If exposed or concerned: Get medical advice.

### **Most important symptoms, both acute and delayed:**

Suspected of causing cancer.

Causes serious eye irritation.

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 and carbon dioxide.

### **Special protective equipment and precautions for firefighters:**

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

## **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 store in suitable container.

Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up with absorbent material, place in appropriate container and flush with water.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling:**

Wash hands thoroughly after handling.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not ingest. Avoid contact with eyes, skin and clothing.

### **Conditions for safe storage, including any incompatibilities:**

Store locked up.

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

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control parameters - Exposure limits:**

**Ingredient:**

n,n-dimethyl-n-dodecylamine oxide (20-24)  
 potassium hydroxide (45%)  
 trisodium nitrilotriacetate

**Limit:**

not available  
 ACGIH Ceiling: 2 mg/m<sup>3</sup>  
 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**

<b>Appearance (physical state, colour etc.):</b>	orange liquid
<b>Odour:</b>	no odour
<b>Odour threshold:</b>	not available
<b>pH:</b>	12.4
<b>Melting/Freezing point:</b>	not available
<b>Initial boiling point and range:</b>	not available
<b>Flash point:</b>	not applicable
<b>Evaporation rate:</b>	not available
<b>Flammability (solid, gas):</b>	not available
<b>Upper/lower flammability or explosive limits:</b>	not available
<b>Vapour pressure:</b>	not available
<b>Vapour density:</b>	not available
<b>Relative density (specific gravity):</b>	1.044
<b>Solubility(ies):</b>	100%
<b>Partition co-efficient: n-octanol/water:</b>	not available
<b>Auto-ignition temperature:</b>	not available
<b>Decomposition temperature:</b>	not available
<b>Viscosity:</b>	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**

<b>Inhalation:</b>	May cause respiratory tract irritation.
<b>Ingestion:</b>	May be harmful if swallowed.
<b>Eye contact:</b>	Causes serious eye irritation.
<b>Skin contact:</b>	Causes skin irritation.
<b>Skin absorption:</b>	not available

**POTENTIAL CHRONIC HEALTH EFFECTS**

<b>Inhalation:</b>	not available
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**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 the SDS.  
**Reproductive toxicity:** This information, if applicable, can be found in the SDS.  
**Sensitization of product:** This information, if applicable, can be found in the SDS.  
**Specific Target Organ Toxicity - single exposure:** This information, if applicable, can be found in the SDS.  
**Specific Target Organ Toxicity - repeated exposure:** This information, if applicable, can be found in the SDS.

**Toxicological Data:**

Ingredient:

n,n-dimethyl-n-dodecylamine oxide (20-24)  
potassium hydroxide (45%)  
trisodium nitrilotriacetate

Data:

not available  
Oral LD50: 273 mg/kg (rat)  
Oral LD50: 1450 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:** NON-REGULATED

## 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations. 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 09, 2023

**Date of Revision:** March 09, 2023

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

**End of Document**

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March 09, 2023

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