

Safety Data Sheet

1. IDENTIFICATION

Product Identifier: E-20 LIQ. MACHINE DISH **Date of Revision:** N
Product Code: J430
Other Name(s): ULTRA
Distributed By: HADDON HOLDINGS LIMITED
Recommended Use and Restrictions on Use: machine dishwash
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
Corrosive to Metals - Category 1
Serious Eye Damage/Irritation - Category 1
Skin Corrosion/Irritation - Category 1

Label Elements:

Hazard Pictogram(s):



Signal Word: DANGER

Hazard Statement(s): Suspected of causing cancer.
May be corrosive to metals.
Causes serious eye damage.
Causes severe skin burns and eye damage.

Precautionary Statement(s):

Prevention: Do not breathe dusts or mists.
Wash hands thoroughly after handling.
Wear protective gloves, protective clothing, and eye/face protection.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep only in original packaging.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a p
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse sk
contaminated clothing before reuse. Immediately call a poison centre or phys
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
centre or physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact
to do. Continue rinsing. Immediately call a poison centre or physician.
If exposed or concerned: Get medical advice.
Absorb spillage to prevent material-damage.

Storage: Store locked up.
Store in a corrosion resistant container with a resistant inner liner.

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>
sodium hydroxide (50%)	10 - 30%	1310-73-2	caustic so
trisodium nitrilotriacetate	15 - 40%	5064-31-3	NTA

4. FIRST-AID MEASURES

Necessary Measures:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or phy

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash before reuse. Immediately call a poison centre or physician.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present at rinsing. Immediately call a poison centre or physician.

If exposed or concerned: Get medical advice.

Absorb spillage to prevent material-damage.

Most important symptoms, both acute and delayed:

Suspected of causing cancer.

Causes serious eye damage.

Causes severe skin burns and eye damage.

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 breath

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 sc

Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean 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.
- Keep only in original packaging.
- Do not ingest. Avoid contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities:

- Store locked up.
- Store in a corrosion resistant container with a resistant inner liner.
- Keep out of reach of children. Store in a cool, dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters - Exposure limits:**

<u>Ingredient:</u>	<u>Limit:</u>
sodium hydroxide (50%)	ACGIH TLV: 2 mg/m ³
trisodium nitrilotriacetate	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

Appearance (physical state, colour etc.):	clear red liquid
Odour:	not available
Odour threshold:	not available
pH:	14
Melting/Freezing point:	not available
Initial boiling point and range:	not available
Flash point:	not applicable
Evaporation rate:	not available
Flammability (solid, gas):	not available
Upper/lower flammability or explosive limits:	not available
Vapour pressure:	not available
Vapour density:	not available
Relative density (specific gravity):	1.210
Solubility(ies):	100%
Partition co-efficient: n-octanol/water:	not available
Auto-ignition temperature:	not available
Decomposition temperature:	not available
Viscosity:	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 and metals

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 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:

<u>Ingredient:</u> sodium hydroxide (50%) trisodium nitrilotriacetate	<u>Data:</u> not available Oral LD50: 1450 mg/kg (rat)
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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 1824; SODIUM HYDROXIDE SOLUTION; CLASS 8; PG II

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulation. 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 approval of Ostrem Chemical Co. Ltd.

End of Document

ULTRA



March 09, 2023

Phone:

4:30pm MT



poison centre or physician.

rinse with water. Wash

eyes.

Immediately call a poison

center if lenses are present and easy

to remove. Follow national regulations.

[REDACTED]
Names

da, lye

[REDACTED]
ysician.

i contaminated clothing

poison centre or

nd easy to do. Continue

[REDACTED]
ring equipment.

[REDACTED]
xoop into containers.

up residual with

[REDACTED]



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