

Safety Data Sheet

1. IDENTIFICATION

Product Identifier: ORANGE GROVE **Date of Revision:** March 09, 2023
Product Code: J485
Other Name(s): not applicable
Distributed By: not applicable
Recommended Use and Restrictions on Use: cleaner-degreaser
Manufactured By: Ostrem Chemical Co. Ltd. **Phone/Emergency Phone:**
2310 - 80th Avenue NW 780-440-1911
Edmonton, Alberta, Canada T6P 1N2 **Mon. - Fri. 8:00am - 4:30pm MT**
www.ostrem.com

2. HAZARDS IDENTIFICATION

Classification of the Mixture: Carcinogenicity - Category 2
Eye Damage/Irritation - Category 2A
Sensitization, Skin - Category 1
Skin Corrosion/Irritation - Category 2

Label Elements:

Hazard Pictogram(s):



Signal Word: WARNING

Hazard Statement(s): Suspected of causing cancer.
Causes serious eye irritation.
May cause an allergic skin reaction.
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.
Avoid breathing dust, vapours or spray.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy 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/international regulations.

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 Names</u>
ethoxylated alcohol blend	3 - 7%	68439-46-3	
alkyl benzenesulfonic acid (60-100%)	1 - 5%	68584-22-5	
trisodium nitrilotriacetate	1 - 5%	5064-31-3	NTA
triethanolamine	1 - 5%	102-71-6	
d-limonene	1 - 5%	5989-27-5	

Safety Data Sheet

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.
- 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.
- IF INHALED: Remove to fresh air. Seek medical attention if symptoms persist.

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 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.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Avoid breathing dust, vapours or spray.
- 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:

<u>Ingredient:</u>	<u>Limit:</u>
ethoxylated alcohol blend	not available
alkyl benzenesulfonic acid (60-100%)	not available
trisodium nitrilotriacetate	not available
triethanolamine	ACGIH: 5 mg/m ³ TLV-TWA
d-limonene	TWA: 30 ppm

Safety Data Sheet

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.):	yellow-green fluorescent liquid
Odour:	citrus
Odour threshold:	not available
pH:	9.5; 1% solution: 7.5 - 8.5
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):	1.014
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:

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: May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Eye contact: Causes serious eye irritation.

Skin contact: Causes skin irritation.

Skin absorption: not available

POTENTIAL CHRONIC HEALTH EFFECTS

Inhalation: not available

Ingestion: not available

Eye contact: not available

Safety Data Sheet

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:

ethoxylated alcohol blend

alkyl benzenesulfonic acid (60-100%)

trisodium nitrilotriacetate

triethanolamine

d-limonene

Data:

Oral LD50: 1378 mg/kg (rat)

Oral LD50: 530 mg/kg (rat)

Oral LD50: 1450 mg/kg (rat)

Oral LD50: 4000 mg/kg (rat)

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 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.

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