

Safety Data Sheet

1. IDENTIFICATION

Product Identifier: CITRUS PEROXIDE

Date of Revision: January 31, 2018

Product Code: G589

Other Name(s):

Distributed By:

Recommended Use and Restrictions on Use:

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

Phone: 780-440-1911
In Case of Emergency Only, Phone
CANUTEC: 613-996-6666

2. HAZARDS IDENTIFICATION

Classification of the Mixture: Eye Damage/Irritation - Category 2A
Skin Corrosion/Irritation - Category 2
Flammable Liquids - Category 3

Label Elements:

Hazard Pictogram(s):



Signal Word: WARNING

Hazard Statement(s): Causes serious eye irritation.
Causes skin irritation.
Flammable liquid and vapour.

Precautionary Statement(s):

Prevention: Wash hands thoroughly after handling.
Wear protective gloves, protective clothing, and eye/face protection.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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.

Storage: Store in a well-ventilated place. Keep cool.

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.</u>	<u>CAS #</u>	<u>Common Names</u>
alkyl benzenesulfonic acid (60-100%)	3 - 7%	68584-22-5	
d-limonene	3 - 7%	5989-27-5	
hydrogen peroxide (35%)	15 - 40%	7722-84-1	

4. FIRST-AID MEASURES

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

Most important symptoms, both acute and delayed:

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):

carbon and sodium 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.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not ingest. Avoid contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep cool.
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>
alkyl benzenesulfonic acid (60-100%)	not available
d-limonene	not available
hydrogen peroxide (35%)	ACGIH TWA: 1 ppm

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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour etc.):	amber liquid
Odour:	citrus fragrance
Odour threshold:	not available
pH:	1.5; 2% solution: 6.1
Melting/Freezing point:	not available
Initial boiling point and range:	not available
Flash point:	48 C
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):	1.017
Solubility(ies):	soluble
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):

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Incompatible materials:

Oxidizers

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
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.

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Toxicological Data:

Ingredient:

alkyl benzenesulfonic acid (60-100%)
d-limonene
hydrogen peroxide (35%)

Data:

Oral LD50: 530 mg/kg (rat)
not available
Oral LD50: 1193 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 (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: January 27, 2017
Date of Revision: January 31, 2018

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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