

Safety Data Sheet

1. IDENTIFICATION

Product Identifier: COMPATIBILITY AGENT **Date of Revision:** April 16, 2018
Product Code: E419
Other Name(s):
Distributed By:
Recommended Use and Restrictions on Use:
Manufactured By: Ostrem Chemical Co. Ltd. Phone: 780-440-1911
2310 - 80th Avenue NW In Case of Emergency Only, Phone
Edmonton, Alberta, Canada T6P 1N2 CANUTEC: 613-996-6666
www.ostrem.com

2. HAZARDS IDENTIFICATION

Classification of the Mixture: Eye Damage/Irritation - Category 2A
Skin Corrosion/Irritation - Category 2
Acute Toxicity, Oral - Category 4
Acute Toxicity, Dermal - Category 4
Specific Target Organ Toxicity (Single Exposure) - Category 1
Flammable Liquids - Category 3

Label Elements:

Hazard Pictogram(s):



Signal Word: DANGER

Hazard Statement(s): Causes serious eye irritation.
Causes skin irritation.
Harmful if swallowed.
Harmful if in contact with skin.
Causes damage to organs (eyes and central nervous system).
Flammable liquid and vapour.

Precautionary Statement(s):

Prevention: Do not breathe fumes or vapours.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
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 SWALLOWED: Call a poison centre or physician if you feel unwell.
Rinse mouth.
IF ON SKIN: Wash with plenty of water.
Call a poison centre or physician if you feel unwell.
Take off immediately all contaminated clothing and wash it before reuse.
If exposed or concerned: Call a poison centre or physician.

Storage: Store locked up.
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

Safety Data Sheet

| <u>Chemical Name</u> | <u>Conc.</u> | <u>CAS #</u> | <u>Common Names</u> |
|--|--------------|--------------|---------------------|
| sodium hydroxide (50%) | 3 - 7% | 1310-73-2 | caustic soda, lye |
| methanol | 15 - 40% | 67-56-1 | methyl alcohol |
| alkylethoxy mono and diphosphate esters (60-100%) | 65 - 85% | 68130-47-2 | |
| phosphoric acid (3-7%) | 65 - 85% | 7664-38-2 | |

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 SWALLOWED: Call a poison centre or physician if you feel unwell.

Rinse mouth.

IF ON SKIN: Wash with plenty of water.

Call a poison centre or physician if you feel unwell.

Take off immediately all contaminated clothing and wash it before reuse.

If exposed or concerned: Call a poison centre or physician.

Most important symptoms, both acute and delayed:

Causes serious eye irritation.

Causes skin irritation.

Harmful if swallowed.

Harmful if in contact with skin.

Causes damage to organs (eyes and central nervous system).

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.

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 fumes or vapours.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

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:

Safety Data Sheet

Store locked up.
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> |
|---|-------------------------------------|
| sodium hydroxide (50%) | ACGIH TLV: 2 mg/m ³ |
| methanol | ACGIH TWA: 200 ppm |
| | STEL: 250 ppm |
| alkylethoxy mono and diphosphate esters (60-100%) | not available |
| phosphoric acid (3-7%) | ACGIH TLV STEL: 3 mg/m ³ |
| | TWA: 1 mg/m ³ |

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 semi-viscous liquid |
| Odour: | no apparent odour |
| Odour threshold: | not available |
| pH: | 2.4 |
| Melting/Freezing point: | not available |
| Initial boiling point and range: | not available |
| Flash point: | 25 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): | 1.051 |
| Solubility(ies): | complete |
| 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 / Base

Hazardous decomposition products:

not available

Safety Data Sheet

11. TOXICOLOGICAL INFORMATION

POTENTIAL ACUTE HEALTH EFFECTS

Inhalation: May cause severe irritation to the respiratory tract.
Ingestion: Harmful if swallowed.
Eye contact: Causes serious eye irritation.
Skin contact: Harmful if in contact with skin.
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:

sodium hydroxide (50%)
methanol

Data:

not available
Oral LD50: 100 mg/kg (rat)
Inhalation LC50: 5 mg/L (rat)
Dermal LD50: 300 mg/kg (rabbit)
>2000 MG/KG ORAL RAT
Oral LD50: 1530 mg/kg (rat)
Dermal LD50: 2740 (rabbit)

alkylethoxy mono and diphosphate esters (60-100%)
phosphoric acid (3-7%)

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 1992; FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL); CLASS 3 (6.1); PG II

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 24, 2017

Safety Data Sheet

Date of Revision: April 16, 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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