

# Safety Data Sheet

## 1. IDENTIFICATION

**Product Identifier:** COMPATIBILITY AGENT

**Date of Revision:** January 24, 2017

**Product Code:** E419

**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  
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

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<u>Chemical Name</u>	<u>Conc.</u>	<u>CAS #</u>	<u>Common Names</u>
sodium hydroxide (50%)	3.0%	1310-73-2	caustic soda, lye
methanol	17.0%	67-56-1	methyl alcohol
alkylethoxy mono and diphosphate esters (60-100%)	70.0%	68130-47-2	
phosphoric acid (3-7%)	70.0%	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:

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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 <sup>3</sup>
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 <sup>3</sup> TWA: 1 mg/m <sup>3</sup>

### 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>	clear semi-viscous liquid
<b>Odour:</b>	no apparent odour
<b>Odour threshold:</b>	not available
<b>pH:</b>	2.4
<b>Melting/Freezing point:</b>	not available
<b>Initial boiling point and range:</b>	not available
<b>Flash point:</b>	25 C
<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>	1.051
<b>Solubility(ies):</b>	complete
<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):

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

### Incompatible materials:

Oxidizers / Base

### Hazardous decomposition products:

not available

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## 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)  
not available  
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:

not applicable

## 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 III

## 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

# Safety Data Sheet

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**Date of Preparation:** January 24, 2017

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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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