

# Safety Data Sheet

## 1. IDENTIFICATION

**Product Identifier:** INDUSTRIAL VINEGAR **Date of Revision:** March 09, 2023  
**Product Code:** J480  
**Other Name(s):** not applicable  
**Distributed By:** not applicable  
**Recommended Use and Restrictions on Use:** not available  
**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:** Eye Damage/Irritation - Category 2A  
Skin Corrosion/Irritation - Category 2

**Label Elements:**

Hazard Pictogram(s):



Signal Word: WARNING

**Hazard Statement(s):** Causes serious eye irritation.  
Causes skin irritation.

**Precautionary Statement(s):**

**Prevention:** Wash hands thoroughly after handling.  
Wear protective gloves and eye protection.

**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:** not applicable

**Disposal:** not applicable

**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> |
|----------------------|------------------|--------------|---------------------|
| acetic acid, glacial | 5 - 10%          | 64-19-7      |                     |

## 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.

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## 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):

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 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.  
Do not ingest. Avoid contact with eyes, skin and clothing.

### Conditions for safe storage, including any incompatibilities:

Keep out of reach of children. Store in a cool, dry area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters - Exposure limits:

#### Ingredient:

acetic acid, glacial

#### Limit:

Short Term Exposure Limit: 15 ppm  
Long Term Exposure Limit: 10 pm  
Short Term EV: 37 mg/m<sup>3</sup>, 15 ppm  
Long Term EV: 25 mg/m<sup>3</sup>, 10 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 and eye protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance (physical state, colour etc.):

clear, colourless liquid

### Odour:

a vinegar odour

### Odour threshold:

not available

### pH:

2.2; 1% solution: 3.5

### Melting/Freezing point:

not available

### Initial boiling point and range:

not available

### Flash point:

not applicable

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|   |               |
|---|---------------|
| 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):          | 1.002         |
| 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):

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 |
| 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:

acetic acid, glacial

#### Data:

Oral LD50: 3310 mg/kg (rat)  
Dermal LD50: 1060 mg/kg (rabbit)  
Inhalation LC50: 11.4 mg/L 4h (rat)

### Other Toxicological Information on Ingredients:

## 12. ECOLOGICAL INFORMATION

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|  |               |
|--|---------------|
| <b>Ecotoxicity (aquatic and terrestrial, where available):</b> | not available |
| <b>Persistence and degradability:</b>                          | not available |
| <b>Bioaccumulative potential:</b>                              | not available |
| <b>Mobility in soil:</b>                                       | not available |
| <b>Other adverse effects:</b>                                  | not available |
| <b>Ecological Information on Ingredients:</b>                  | 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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