

# SAFETY DATA SHEET

## ZEP INDUSTRA-KLEEN 700\_20L

Version 1.2

Revision Date 10/01/2023

Print Date 04/27/2025

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : ZEP INDUSTRA-KLEEN 700\_20L

Material number : 343047C

#### Manufacturer or supplier's details

Company : Zep Inc.

Address : 11627 - 178 Street  
Edmonton, Alberta T5S 1N6  
Canada

Telephone : Compliance Services - 877-428-9937

#### Emergency telephone numbers

For SDS Information : Compliance Services - 877-428-9937

For a Medical Emergency : 877-541-2016 Toll Free - All Calls Recorded

For a Transportation  
Emergency : CHEMTREC: 800-424-9300 - All Calls Recorded.

#### Recommended use of the chemical and restrictions on use

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

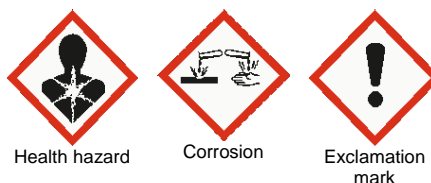
|            |                     |
|------------|---------------------|
| Appearance | liquid              |
| Colour     | orange, pink, clear |
| Odour      | odourless           |

#### GHS Classification

Acute toxicity (Oral) : Category 4  
Skin corrosion : Category 1  
Serious eye damage : Category 1  
Respiratory sensitisation : Category 1  
Carcinogenicity : Category 2

#### GHS label elements

Hazard pictograms :



Signal word : Danger

# SAFETY DATA SHEET

## ZEP INDUSTRA-KLEEN 700\_20L

Version 1.2

Revision Date 10/01/2023

Print Date 04/27/2025

Hazard statements : H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H351 Suspected of causing cancer.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P284 Wear respiratory protection.

**Response:**  
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.

**Disposal:**  
P501 Dispose of contents/container in accordance with local regulation.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous components

| Chemical name  | CAS-No.    | Concentration [%] |
|--|------------|-------------------|
| potassium hydroxide  | 1310-58-3  | >= 10 - < 30      |
| sodium xylenesulphonate  | 1300-72-7  | >= 1 - < 5        |
| Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[methyl[3-(tridecyloxy)propyl]iminio]di-2,1-ethanediyl]bis[.omega.-hydroxy-, branched, c | 68610-19-5 | >= 0.1 - < 1      |
| Ethanol, 2,2'-iminobis-, N-[3-(branched decyloxy)propyl] derivs., N-oxides   | 68478-65-9 | >= 0.1 - < 1      |

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## ZEP INDUSTRA-KLEEN 700\_20L

Version 1.2

Revision Date 10/01/2023

Print Date 04/27/2025

---

### SECTION 4. FIRST AID MEASURES

- |   |   |
|---|---|
| General advice  | : Move out of dangerous area.<br>Consult a physician.<br>Show this safety data sheet to the doctor in attendance.<br>Do not leave the victim unattended.  |
| If inhaled  | : Call a physician or poison control centre immediately.<br>If unconscious, place in recovery position and seek medical advice.   |
| In case of skin contact                                     | : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.<br>Wash contaminated clothing before re-use.<br>If skin irritation persists, call a physician.  |
| In case of eye contact                                      | : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.<br>In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.<br>Continue rinsing eyes during transport to hospital.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.  |
| If swallowed  | : Clean mouth with water and drink afterwards plenty of water.<br>Keep respiratory tract clear.<br>Do NOT induce vomiting.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.<br>Take victim immediately to hospital.  |
| Most important symptoms and effects, both acute and delayed | : Effects are immediate and delayed.<br>Symptoms may include blistering, irritation, burns, and pain.<br>Effects are dependent on exposure (dose, concentration, contact time).<br>Chronic effects are delayed and symptoms may not be observed during an exposure.<br>Symptoms may include difficulty breathing, coughing, wheezing, throat irritation, and tightness/closure of airway.<br><br>Symptoms of overexposure may include disorientation; dizziness; and confusion. May progress to unconsciousness, paralysis, and convulsions.<br><br>Causes skin irritation.<br>Suspected of causing cancer.<br>Review section 2 of SDS to see all potential hazards.<br>Harmful if swallowed. |
| Notes to physician  | : Treat symptomatically. Symptoms may be delayed.<br>Contact a poison treatment specialist immediately if large quantities have been ingested or inhaled, or contact with large portions of the body have occurred.   |

# SAFETY DATA SHEET

## ZEP INDUSTRA-KLEEN 700\_20L

Version 1.2

Revision Date 10/01/2023

Print Date 04/27/2025

---

### SECTION 5. FIREFIGHTING MEASURES

|   |   |
|---|---|
| Suitable extinguishing media                  | : Water spray<br>Foam<br>Carbon dioxide (CO2)<br>Dry chemical   |
| Unsuitable extinguishing media                | : High volume water jet   |
| Specific hazards during firefighting          | : Do not allow run-off from fire fighting to enter drains or water courses.   |
| Hazardous combustion products                 | : Carbon dioxide (CO2)<br>Carbon monoxide<br>Smoke<br>Sulphur oxides  |
| Specific extinguishing methods                | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.   |
| Further information                           | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary.  |

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

|   |  |
|---|--|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.<br>Ensure adequate ventilation.   |
| Environmental precautions   | : Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains, inform respective authorities. |
| Methods and materials for containment and cleaning up               | : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).<br>Keep in suitable, closed containers for disposal.                              |

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### SECTION 7. HANDLING AND STORAGE

|                         |  |
|-------------------------|--|
| Advice on safe handling | : Do not breathe vapours or spray mist.<br>Avoid exposure - obtain special instructions before use.<br>Avoid contact with skin and eyes.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the |
|-------------------------|--|

# SAFETY DATA SHEET

## ZEP INDUSTRA-KLEEN 700\_20L

Version 1.2

Revision Date 10/01/2023

Print Date 04/27/2025

application area.

Provide sufficient air exchange and/or exhaust in work rooms.

Dispose of rinse water in accordance with local and national regulations.

Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.  
This product is formulated for use on hard metal surfaces.  
This product does contain a reducing agent(s) that may corrode soft metals. This product should be stored in its original packaging or containers of similar construction, and not in metal vessels.

Materials to avoid : Do not store near acids.  
Oxidizing agents

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

| Components          | CAS-No.   | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis     |
|---------------------|-----------|----------------------------------|---|-----------|
| potassium hydroxide | 1310-58-3 | (c)                              | 2 mg/m <sup>3</sup>                               | CA AB OEL |
|                     |           | C                                | 2 mg/m <sup>3</sup>                               | CA BC OEL |
|                     |           | C                                | 2 mg/m <sup>3</sup>                               | CA QC OEL |
|                     |           | C                                | 2 mg/m <sup>3</sup>                               | ACGIH     |

Engineering measures : effective ventilation in all processing areas

#### Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hand protection  
Material : Protective gloves

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

# SAFETY DATA SHEET

## ZEP INDUSTRA-KLEEN 700\_20L

Version 1.2

Revision Date 10/01/2023

Print Date 04/27/2025

|                          |   |
|--------------------------|---|
| Skin and body protection | : Impervious clothing<br>Choose body protection according to the amount and concentration of the dangerous substance at the work place. |
| Hygiene measures         | : When using do not eat or drink.<br>When using do not smoke.<br>Wash hands before breaks and at the end of workday.                    |

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                           |
|--|---------------------------|
| Appearance                             | : liquid                  |
| Colour                                 | : orange, pink, clear     |
| Odour                                  | : odourless               |
| Odour Threshold                        | : No data available       |
| pH                                     | : > 14                    |
| Melting point/freezing point           | : No data available       |
| Boiling point                          | : 104 °C                  |
| Flash point                            | :<br>does not flash       |
| Evaporation rate                       | : No data available       |
| Upper explosion limit                  | : No data available       |
| Lower explosion limit                  | : No data available       |
| Vapour pressure                        | : No data available       |
| Density                                | : 1.128 g/cm <sup>3</sup> |
| Solubility(ies)                        |                           |
| Water solubility                       | : soluble                 |
| Partition coefficient: n-octanol/water | : No data available       |
| Auto-ignition temperature              | : No data available       |
| Thermal decomposition                  | : No data available       |
| Viscosity                              |                           |
| Viscosity, kinematic                   | : No data available       |

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### SECTION 10. STABILITY AND REACTIVITY

|                    |                                   |
|--------------------|-----------------------------------|
| Reactivity         | : Stable                          |
| Chemical stability | : Stable under normal conditions. |

# SAFETY DATA SHEET

## ZEP INDUSTRA-KLEEN 700\_20L

Version 1.2

Revision Date 10/01/2023

Print Date 04/27/2025

|                                    |   |
|------------------------------------|---|
| Possibility of hazardous reactions | : No decomposition if stored and applied as directed.   |
| Conditions to avoid                | : No data available   |
| Incompatible materials             | : Acids<br>Oxidizing agents<br>This product contains sodium hydroxide or potassium hydroxide that may corrode some soft metals and may react with tin, zinc, aluminum to form hydrogen gas. |
| Hazardous decomposition products   | : No hazardous decomposition products are known.  |

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Potential Health Effects

|                              |   |
|------------------------------|---|
| Aggravated Medical Condition | : None known.   |
| Symptoms of Overexposure     | : Effects are immediate and delayed.<br>Symptoms may include blistering, irritation, burns, and pain. Effects are dependent on exposure (dose, concentration, contact time).<br>Chronic effects are delayed and symptoms may not be observed during an exposure.<br>Symptoms may include difficulty breathing, coughing, wheezing, throat irritation, and tightness/closure of airway.<br><br>Symptoms of overexposure may include disorientation; dizziness; and confusion. May progress to unconsciousness, paralysis, and convulsions.<br><br>Causes skin irritation.<br>Suspected of causing cancer.<br>Review section 2 of SDS to see all potential hazards.<br>Harmful if swallowed.<br>Treat symptomatically. Symptoms may be delayed.<br>Contact a poison treatment specialist immediately if large quantities have been ingested or inhaled, or contact with large portions of the body have occurred. |

#### Carcinogenicity:

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

#### Acute toxicity

# SAFETY DATA SHEET

## ZEP INDUSTRA-KLEEN 700\_20L

Version 1.2

Revision Date 10/01/2023

Print Date 04/27/2025

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### **Product:**

Acute oral toxicity : Acute toxicity estimate : 861.33 mg/kg  
Method: Calculation method

### **Skin corrosion/irritation**

#### **Product:**

Remarks: Extremely corrosive and destructive to tissue.

### **Serious eye damage/eye irritation**

#### **Product:**

Remarks: May cause irreversible eye damage.

### **Respiratory or skin sensitisation**

No data available

### **Germ cell mutagenicity**

No data available

### **Carcinogenicity**

No data available

### **Reproductive toxicity**

No data available

### **STOT - single exposure**

No data available

### **STOT - repeated exposure**

No data available

### **Aspiration toxicity**

No data available

### **Further information**

#### **Product:**

Remarks: No data available

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## **SECTION 12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

No data available

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**



# SAFETY DATA SHEET

## ZEP INDUSTRA-KLEEN 700\_20L

Version 1.2

Revision Date 10/01/2023

Print Date 04/27/2025

### **Product:**

Partition coefficient: n-octanol/water : Remarks: No data available

### **Mobility in soil**

No data available

### **Other adverse effects**

No data available

### **Product:**

Additional ecological information : No data available

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## SECTION 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

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## SECTION 14. TRANSPORT INFORMATION

|  |
|--|
| Transportation Regulation (TDG) / Règlement Pour Le Transport (TMD): (Canada):<br>UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (POTASSIUM HYDROXIDE), 8, II |
|--|

|   |
|---|
| Transportation Regulation / Règlement Pour Le Transport: IMDG (Vessel):<br>UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (POTASSIUM HYDROXIDE), 8, II |
|---|

|  |
|--|
| Transportation Regulation / Règlement Pour Le Transport: IATA (Cargo Air):<br>UN3266, Corrosive liquid, basic, inorganic, n.o.s., (POTASSIUM HYDROXIDE), 8, II |
|--|

|  |
|--|
| Transportation Regulation / Règlement Pour Le Transport: IATA (Passenger Air):<br>UN3266, Corrosive liquid, basic, inorganic, n.o.s., (POTASSIUM HYDROXIDE), 8, II |
|--|

|  |
|--|
| Transportation Regulation / Règlement Pour Le Transport: 49 CFR (USA):<br>UN3266, Corrosive liquid, basic, inorganic, n.o.s., (POTASSIUM HYDROXIDE), 8, II |
|--|

The product as delivered to the customer conforms to packaging requirements for shipment by road under Transport Dangerous Goods (TDG) Canada regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

# SAFETY DATA SHEET

## ZEP INDUSTRA-KLEEN 700\_20L

Version 1.2

Revision Date 10/01/2023

Print Date 04/27/2025

### SECTION 15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

**The components of this product are reported in the following inventories:**

**DSL** All components of this product are on the Canadian DSL  
**TSCA** On TSCA Inventory

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

#### Inventory Acronym and Validity Area Legend:

TSCA (USA), DSL (Canada), NDSL (Canada)

### SECTION 16. OTHER INFORMATION

#### WHMIS - GHS Label Information:

Hazard pictograms

:



Health hazard



Corrosion



Exclamation mark

Signal word

: **Danger:**

Hazard statements

: Harmful if swallowed. Causes severe skin burns and eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing cancer.

Precautionary statements

:

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/ protective clothing/ eye protection/ face protection. Wear respiratory protection.

**Response:** IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. IF exposed or concerned: Get medical advice/ attention. Wash contaminated clothing before reuse.

**Disposal:** Dispose of contents/container in accordance with local regulation.

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Revision Date 10/01/2023

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