



## Excalibur 7100

### SECTION 1. IDENTIFICATION

**Product Identifier** Excalibur 7100  
**Recommended Use** Transportation Care.  
**Manufacturer/Supplier Identifier** Excalibur Chemicals, 1120 McDonald St., Regina, SK, S4N 4X3, 306-569-2781, www.excaliburindustrial.com  
**Emergency Phone No.** Canutec, (613) 996-6666, Collect calls accepted or dial 666 on your cellular

### SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

#### Classification

Corrosive to metals - Category 1; Acute toxicity (Oral) - Category 4; Skin corrosion - Category 1C; Serious eye damage - Category 1

#### Label Elements



Danger

Causes severe skin burns and eye damage.

May be corrosive to metals.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Call a POISON CENTRE or doctor if you feel unwell.

Dispose of contents and container in accordance with local, regional, national and international regulations.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name  | CAS No.    | %    | Other Identifiers |
|--|------------|------|-------------------|
| Potassium hydroxide  | 1310-58-3  | 5-10 |                   |
| Tetrasodium ethylenediaminetetraacetate  | 64-02-8    | 1-5  |                   |
| TRI(2-BUTOXYETHYL) PHOSPHATE   | 78-51-3    | 1-5  |                   |
| Alcohols, C12-15, ethoxylated propoxylated, liquids  | 68551-13-3 | 1-5  |                   |
| Poly(oxy-1,2-ethanediyl), alpha-hydro- omega-hydroxy-, mono-C8-10-alkyl ethers, phosphates | 68130-47-2 | 1-5  |                   |
|  |            |      |                   |

### SECTION 4. FIRST-AID MEASURES

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## First-aid Measures

### Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing.

### Skin Contact

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately rinse skin with lukewarm, gently flowing water for at least 30 minutes.

### Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### Ingestion

Rinse mouth with water. Drink 1 or 2 glasses of water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.

### First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

## Most Important Symptoms and Effects, Acute and Delayed

Review Section 11 (Toxicological) of this Safety Data Sheet.

## Immediate Medical Attention and Special Treatment

### Special Instructions

Treat Symptomatically.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

### Specific Hazards Arising from the Product

See Section 9 (Physical and Chemical Properties) for flash point and explosive limits.

### Special Protective Equipment and Precautions for Fire-fighters

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

### Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Large spills or leaks: dike spilled product to prevent runoff. Review Section 13 (Disposal Considerations) of this safety data sheet.

### Other Information

Report spills to local health, safety and environmental authorities, as required.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Prevent accidental contact with incompatible chemicals. Wear personal protective equipment to avoid direct contact with this chemical. Keep containers tightly closed when not in use or empty.

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## Conditions for Safe Storage

Separate from incompatible materials (see Section 10: Stability and Reactivity). Store in the original, labelled, shipping container. Comply with all applicable health and safety regulations, fire and building codes.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

| Chemical Name                                       | ACGIH TLV®      |      | OSHA PEL        |                     | AIHA WEEL |     |
|---|-----------------|------|-----------------|---------------------|-----------|-----|
|   | TWA             | STEL | TWA             | Ceiling             | 8-hr TWA  | TWA |
| Potassium hydroxide                                 |                 |      |                 | 2 mg/m <sup>3</sup> |           |     |
| Tetrasodium ethylenediaminetetraacetate             | Not established |      | Not established |                     |           |     |
| TRI(2-BUTOXYETHYL) PHOSPHATE                        | Not established |      | Not established |                     |           |     |
| Alcohols, C12-15, ethoxylated propoxylated, liquids | Not established |      | Not established |                     |           |     |

### Appropriate Engineering Controls

General ventilation is usually adequate.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

#### Respiratory Protection

Wear a NIOSH approved air-purifying respirator with N100, R100, or P100 filter(s).

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

|   |  |
|---|--|
| Appearance                                  | Colourless liquid.                             |
| Odour                                       | Pungent  |
| pH  | 13.7   |
| Initial Boiling Point/Range                 | Not available                                  |
| Flash Point                                 | Not applicable                                 |
| Flammability (solid, gas)                   | Not applicable (liquid).                       |
| Upper/Lower Flammability or Explosive Limit | Not applicable (upper); Not applicable (lower) |
| Vapour Pressure                             | Not available                                  |
| Relative Density (water = 1)                | 1.074  |
| Solubility                                  | Soluble in water                               |
| Other Information                           |  |
| Physical State                              | Liquid   |

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

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### Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

### Conditions to Avoid

Freezing. Incompatible materials.

### Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid), metals (e.g. aluminum).

### Hazardous Decomposition Products

Carbon oxides, oxides of phosphorus other unidentified organic compounds.

## SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

### Likely Routes of Exposure

Inhalation; skin contact; skin absorption; eye contact; ingestion.

### Acute Toxicity

| Chemical Name   | LC50  | LD50 (oral)                       | LD50 (dermal)       |
|---|---|-----------------------------------|---------------------|
| Potassium hydroxide   |   | 205 mg/kg (rat) (2-hour exposure) |                     |
| Tetrasodium ethylenediaminetetraacetate   |   | Not available                     |                     |
| TRI(2-BUTOXYETHYL) PHOSPHATE  |   | Not available                     |                     |
| Alcohols, C12-15, ethoxylated propoxylated, liquids   |   | Not available                     |                     |
| Poly(oxy-1,2-ethanediyl), alpha-hydro- omega -hydroxy-, mono-C8-10-alkyl ethers, phosphates | > 213 mg/m <sup>3</sup> (rat) (4-hour exposure) | 1530 mg/kg (rat)                  | 2740 mg/kg (rabbit) |

### Skin Corrosion/Irritation

Contact can cause pain, redness, burns, and blistering. Permanent scarring can result.

### Serious Eye Damage/Irritation

May irritate or burn the eyes. Permanent damage including blindness may result.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest.

#### Skin Absorption

Prolonged or repeated exposure can cause drying, defatting and dermatitis.

#### Ingestion

Severe irritation or burns to the mouth, throat and stomach.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

Effects similar to STOT (Specific Target Organ Toxicity) - Single Exposure, as described above.

### Respiratory and/or Skin Sensitization

No information was located.

### Carcinogenicity

| Chemical Name | IARC | ACGIH® | NTP | OSHA |
|---------------|------|--------|-----|------|
|---------------|------|--------|-----|------|

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|   |            |                |            |            |
|---|------------|----------------|------------|------------|
| Potassium hydroxide                                 | Not Listed | Not designated | Not Listed | Not Listed |
| Tetrasodium ethylenediaminetetraacetate             | Not Listed | Not designated | Not Listed | Not Listed |
| TRI(2-BUTOXYETHYL) PHOSPHATE                        | Not Listed | Not designated | Not Listed | Not Listed |
| Alcohols, C12-15, ethoxylated propoxylated, liquids | Not Listed | Not designated | Not Listed | Not Listed |

Not a carcinogen.

No information was located for: Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

## SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located.

### Ecotoxicity

No data is available on the product itself. It is good practice to prevent releases into the environment.

### Persistence and Degradability

No information was located.

### Bioaccumulative Potential

No information was located.

### Mobility in Soil

No information was located.

### Other Adverse Effects

There is no information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

| Regulation   | UN No. | Proper Shipping Name | Transport Hazard Class(es) | Packing Group |
|--------------|--------|----------------------|----------------------------|---------------|
| Canadian TDG | 1814   | Potassium Hydroxide  | 8                          | II            |

**Environmental Hazards** Environmentally Hazardous Substance (Potassium hydroxide)

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**Emergency Response Guide No.** 154

## SECTION 15. REGULATORY INFORMATION

**Safety, Health and Environmental Regulations**

**Canada**

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## WHMIS 1988 Classification

E - Corrosive

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

## Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

## USA

### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

**NFPA Rating**                      **Health - 3**    **Flammability - 0**    **Instability - 0**

**SDS Prepared By**              Excalibur Industrial

**Phone No.**                        306-569-2781

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**Key to Abbreviations**        ACGIH® = American Conference of Governmental Industrial Hygienists  
AIHA® = AIHA® Guideline Foundation. HSDB® = Hazardous Substances Data Bank  
IARC = International Agency for Research on Cancer  
NFPA = National Fire Prevention Association  
NIOSH = National Institute for Occupational Safety and Health  
NTP = National Toxicology Program  
OSHA = US Occupational Safety and Health Administration  
RTECS® = Registry of Toxic Effects of Chemical Substances

**References**                      CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).

**Disclaimer**                        Information for this SDS was obtained from sources considered technically accurate and reliable. While every effort has been made to insure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements GHS/WHMIS 2015. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form.

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