

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

Product Name: EXCALIBUR JW81

Product Use: Liquid Parts Washer Cleaner

WHMIS Class: Class E - Corrosive Material

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

T.D.G. Classification: Corrosive liquids, n.o.s. (Potassium hydroxide); Class 8; UN1760; PG III

Manufacturer Name and Address: Excalibur Industrial
PO Box 1577
Regina, SK S4P 3C4

Emergency Telephone: (306) 569-2781

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS No.	Wt%	ACGIH-TLV	LC ₅₀	LD ₅₀
Potassium hydroxide	1310-58-3	1-5	2 mg/m ³ C	Not available	365 mg/kg oral, rat
Potassium silicate	1312-76-1	10-30	10 mg/m ³ TWA	Not available	Not available
Sodium nitrite	7632-00-0	1-5	Not available	1450 mg/m ³ 4 h, rat	180 mg/kg oral, rat
Alcohol C-10 ethoxylated	26183-52-8	1-5	Not available	Not available	Not available

SECTION III - PHYSICAL DATA

Boiling Point (deg C): Not available
Vapour Pressure (mm Hg): Not available
Vapour Density (Air = 1): Not available
Solubility in Water: Soluble
Physical State: Liquid
Appearance; Odour: Clear yellow, faint

Specific Gravity (H₂O = 1): 1.09
Percent Volatile (Wt %, 1 h @ 105 °C): 84
Evaporation Rate (H₂O = 1): Not available
pH (as supplied): 12.5
Viscosity: Water thin
Odour Threshold (ppm): Not available

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not flammable by WHMIS criteria.
Flash Point (deg C, TCC): None **LEL:** Not applicable **UEL:** Not applicable
Hazardous Combustion Products: May include and are not limited to oxides of carbon, oxides of nitrogen.
Means of Extinction: Treat for surrounding material.
Special Fire Hazards: Firefighters should wear self-contained breathing apparatus.

SECTION V - REACTIVITY DATA

Conditions for Chemical Instability: Stable.
Incompatible Materials: Strong oxidizing agents, strong acids, reducers, soft metals.
Reactivity, and Under What Conditions: Not available.
Hazardous Decomposition Products: May include and are not limited to oxides of carbon, oxides of nitrogen when heated to decomposition.

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SECTION VI - TOXICOLOGICAL PROPERTIES
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Route of Entry: Eye, Skin contact, Inhalation, Ingestion

EFFECTS OF ACUTE EXPOSURE:

Eye: May cause chemical burns, severe corneal damage and permanent loss of vision.

Skin: May cause chemical burns. Skin contact with product may not cause immediate pain.

Inhalation (of mist): May cause respiratory tract irritation, coughing and headache.

Ingestion: May cause chemical burns to mouth, throat and stomach.

EFFECTS OF CHRONIC EXPOSURE:

Skin: Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.

Irritancy: Hazardous by WHMIS criteria.

Respiratory Tract Sensitization: No data available

Carcinogenicity: Non-hazardous by WHMIS criteria.

Teratogenicity, Mutagenicity, Reproductive Effects: No data available.

Synergistic Materials: Not available.

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SECTION VII- PREVENTATIVE MEASURES
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Gloves: Rubber. Confirm with reputable supplier first.

Eye Protection: Chemical splash goggles.

Respiratory Protection: Not normally required if good ventilation is maintained. Avoid breathing mists.

Other Protective Equipment: As required by employer code.

Engineering Controls: Ensure good ventilation.

Leak and Spill Procedure: Before attempting cleanup, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

Waste Disposal: Review federal, provincial and local government requirements prior to disposal.

Storage and Handling Requirements: Store in closed container away from incompatible materials. Keep out of the reach of children.

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SECTION VIII - FIRST AID
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Eye: Immediately flush with water. Remove contact lenses, if applicable, and continue rinsing for 15 minutes. Obtain medical attention immediately.

Skin: Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Obtain medical attention if irritation persists. Discard or wash well before reuse.

Inhalation: Move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Obtain medical attention immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

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SECTION IX - PREPARATION INFORMATION
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Date: 06/01/09

MSDS Prepared By: Excalibur Industrial

Phone Number: (306) 569-2781

Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure 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 of WHMIS. 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. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8466) or CSST in Montreal, Quebec (514-873-3990).