

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

Product Name: EXCALIBUR 5000

Product Use: Alkaline Cleaner Concentrate

WHMIS Class: Class E - Corrosive Material

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

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

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

Emergency Telephone: (306) 569-2781

SECTION II - HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>Wt%</u>	<u>ACGIH-TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
Sodium metasilicate	6834-92-0	7-13	10 mg/m ³ TWA	Not available	800 mg/kg oral, rat
2-Butoxy ethanol	111-76-2	3-7	20 ppm Skin	926 ppm 4 h, rat	470 mg/kg oral, rat
Alcohol C-10 ethoxylated	26183-52-8	1-5	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: Complete
Physical State: Liquid
Appearance and Odour: Turquoise with solvent odour

Specific Gravity (H₂O = 1): 1.060
Percent Volatile (Wt %, 1 h @ 105°C): 89.5
Evaporation Rate (H₂O = 1): Not available
pH (as supplied): 13.1
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
Hazardous Combustion Products: May include and are not limited to oxides of carbon.
Means of Extinction: Treat for surrounding material.
Special Fire Hazards: Firefighters should wear self-contained breathing apparatus.

LEL: Not applicable
UEL: Not applicable

SECTION V - REACTIVITY DATA

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

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SECTION VI - TOXICOLOGICAL PROPERTIES

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Route of Entry: Eye, Skin contact, Skin absorption, Inhalation, Ingestion

EFFECTS OF ACUTE EXPOSURE:

Eye: May cause severe irritation or chemical burns.

Skin: May cause severe irritation or chemical burns. May be absorbed through the skin.

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. 2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged; may cause blood damage based on published data; these effects have not been observed in humans.

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

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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).

