

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: EXCALIBUR JW92
Product Use: Powdered Parts Washer Cleaner
WHMIS Class: Class E - Corrosive Material

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

TDG Classification:
Corrosive solid, basic, inorganic, n.o.s. (Sodium metasilicate); Class 8; UN3262; PG III

Manufacturer/Supplier: Excalibur Industrial
Address: PO Box 1577
Regina, SK
S4P 3C4
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	30 - 60	10 mg/m ³ TWA	Not available	1153 mg/kg oral, rat
Sodium carbonate	497-19-8	15 - 40	10 mg/m ³ TWA	1150 mg/m ³ 4 h, rat	4090 mg/kg oral, rat
Sodium nitrite	7632-00-0	3 - 7	Not available	1450 mg/m ³ 4 h, rat	180 mg/kg oral, rat
Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	5 - 10	10 mg/m ³ TWA	Not available	3030 mg/kg oral, rat

SECTION III - PHYSICAL DATA

Boiling Point (°C): Not applicable
Vapour Pressure (mm Hg): Not applicable
Vapour Density (Air = 1): Not applicable
Solubility in Water: Complete
Physical State: Solid
Appearance; Odour: White powder; odourless

Specific Gravity (H₂O = 1): 0.8452
% Volatile (Wt %): 19.1
Evaporation Rate (Ether = 1): Not applicable
pH (1%): 12.0
Viscosity: Not applicable to solids
Odour Threshold (ppm): Not available

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not flammable by WHMIS criteria.
Flash Point (°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.
Autoignition Temperature (°C): Not applicable
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: Oxidizers, acids, reducers.
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: Causes chemical burns. May cause blindness.

Skin: Causes chemical burns. Harmful contact may not cause immediate pain.

Inhalation: Harmful. May cause respiratory tract irritation or chemical burns.

Ingestion: Harmful if swallowed. Causes 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 gloves. Confirm with a reputable supplier first.

Eye Protection: Chemical splash goggles.

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

Other Protective Equipment: As required by employer code.

Engineering Controls: General ventilation normally adequate.

Leak and Spill Procedure: Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. 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: Keep out of reach of children. Store in a closed container away from incompatible materials. Store in a cool, dry, well-ventilated area.

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SECTION VIII - FIRST AID

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Eye: Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.

Skin: Brush away excess of dry material. Immediately flush with cool water for 15 minutes. Obtain medical attention if irritation persists.

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

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

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SECTION IX - PREPARATION INFORMATION

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Date: 06/01/09

MSDS Prepared By: Excalibur Industrial

Telephone: 1-306-569-2781

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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 (1-905-572-4400) or CSST in Montreal, Quebec (514-873-3990).

