

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: COMMERCIAL GOLD

Product Use: Dishwashing detergent

WHMIS Class: Class D - Division 2B

TDG Classification: Not Regulated

Manufacturer/Supplier: Kemsol Products Ltd.

Address: Box 1577
Regina, SK S4P 3C4

Telephone: (306) 569-0636

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

SECTION II - HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>Wt%</u>	<u>ACGIH-TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
Ethanol	64-17-5	1 - 5	1000 ppm TWA	31623 ppm 4 h, rat	7060 mg/kg oral, rat
Sodium linear alkylbenzene sulfonate	68411-30-3	10 - 30	Not available	Not available	3000 mg/kg oral, rat
Sodium xylene sulphonate	1300-72-7	1 - 5	10 mg/m ³ TWA	Not available	650 mg/kg oral, rat
Ammonium pareth sulfate	67762-19-0	1 - 5	Not available	Not available	1700 mg/kg oral, rat

SECTION III - PHYSICAL DATA

Boiling Point (°C): 96

Vapour Pressure (mm Hg): Not available

Vapour Density (Air = 1): Not available

Solubility in Water: Complete

Physical State: Liquid

Appearance; Odour: Clear; citrus

Specific Gravity (H₂O = 1): Not available

% Volatile (Wt %): Not available

Evaporation Rate (Ether = 1): Not available

pH (100%): Not available

Viscosity: Viscous

Odour Threshold (ppm): Not available

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not flammable by WHMIS criteria.

Flash Point (°C, TCC): >93 **LEL:** Not applicable **UEL:** Not applicable

Hazardous Combustion Products: May include and are not limited to oxides of carbon, oxides of sulphur, oxides of nitrogen, ammonia.

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: Caustics, acids, oxidizers.

Reactivity, and Under What Conditions: Not available.

Hazardous Decomposition Products: May include and are not limited to oxides of carbon, oxides of sulphur, oxides of nitrogen, ammonia when heated to decomposition.

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

EFFECTS OF ACUTE EXPOSURE:

Eye: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause stomach distress, nausea or vomiting.

EFFECTS OF CHRONIC EXPOSURE:

Skin: Prolonged or repeated exposure 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: Safety glasses.

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. 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: Keep out of reach of children. Store in a closed container away from incompatible materials.

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SECTION VIII - FIRST AID
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Eye: Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

Skin: Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Inhalation: Not a normal route of exposure. 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

Telephone: (306) 569-0636

MSDS Prepared by: Kemsol Products Ltd.

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).