

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name : **GERMASIDOL SOAP**
Product Use : Antiseptic soap
Chemical Family : Mixture.
Supplier's name and address:
 The Dodge Chemical Company (Canada) Ltd.
 1265 Fewster Drive
 Mississauga, Ontario, Canada
 L4W 1A2
 (905) 625 0311
Manufacturer's name and address:
 Refer to Supplier
24 Hr. Emergency Tel # : (613) 996-6666 (CANUTEC) **WHMIS CLASS** : This product is not a WHMIS controlled product in Canada.

SECTION II - HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>Wt.%</u>	<u>LC₅₀(4hr)</u>	<u>LD₅₀ mg/kg</u>	
			<u>(Rat, ihl.)</u>	<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Propylene glycol	57-55-6	5.0 - 10.0	N/Av	21,800	20,800

SECTION III - PHYSICAL DATA

Physical state : clear ,Medium viscosity liquid
Odour : Perfumed odour.
Appearance : greenish-yellow
Odour threshold : N/Av **pH** : 9.7 - 10.7
Boiling point : 95 - 97°C (203 - 207°F) **Specific gravity** : 1.015 - 1.027
Melting/Freezing point : N/Av **Coefficient of water/oil distribution** : N/Av
Vapour pressure (mmHg @ 20° C / 68° F) : N/Av **Solubility in water** : Complete
Vapour density (Air = 1) : 1 **Evaporation rate (n-Butyl acetate = 1)** : <1
Volatiles (% by weight) : 89

SECTION IV - FIRE AND EXPLOSION DATA

Fire hazards/conditions of flammability : Not flammable under normal conditions of use. However, may ignite if exposed to extreme heat and flame.
Flash point : > 93°C (> 200°F)
Flash point Method : TCC **Auto-ignition temperature** : N/Av
Lower flammable limit (% by vol.) : N/Av **Upper flammable limit (% by vol.)** : N/Av
Means Of Extinction : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.
Explosion data: Sensitivity to mechanical impact / static discharge : N/Av
Special fire-fighting procedures/equipment : Firefighters should wear proper protective equipment and self contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. Avoid spreading burning liquid with water spray used for cooling purposes.
Unusual Fire and Explosion Hazards : None known or reported by the manufacturer.

Hazardous combustion products

: Carbon oxides

SECTION V - REACTIVITY DATA

- Stability and reactivity** : Stable under the recommended storage and handling conditions prescribed.
Hazardous polymerisation does not occur.
- Conditions of reactivity** : Avoid excessive heat, sparks and open flame.
- Incompatible materials** : Strong acids and oxidizing agents
- Hazardous decomposition products** : None known, refer to hazardous combustion products in Section 4.

SECTION VI - TOXICOLOGICAL PROPERTIES***** Routes of exposure and acute/chronic effects *******Exposure Limits**

<u>Ingredients</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Propylene glycol	*10 mg/m3	N/Av	N/Av	N/Av

*Note: The ACGIH TLV listed above for Propylene glycol is an AIHA WEEL.

- Routes of exposure** : Skin contact; Eye contact; Ingestion; Inhalation.
- Irritancy** : Mild eye irritant. Mild skin irritant.
- Potential Acute Health Effects**
- Inhalation* : Minor irritation may develop if exposed to heated vapours or mists.
- Skin* : May cause mild skin irritation on prolonged contact.
- Eyes* : May cause minor eye irritation. Symptoms will include pain, redness and tearing.
- Ingestion* : Ingestion of large amounts may cause nausea, vomiting, diarrhea, as well as depression of the central nervous system.
- Effects of Chronic Exposure** : Prolonged or repeated skin contact may cause drying and irritation.
- Carcinogenicity** : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
- Reproductive effects** : Not expected to have other reproductive effects.
- Teratogenicity** : Not expected to be a teratogen.
- Mutagenicity** : Not expected to be mutagenic in humans.
- Sensitization to material** : Not expected to be a skin or respiratory sensitizer.
- Synergistic materials** : N/Av
- Medical Conditions Aggravated By Overexposure** : None known or reported by the manufacturer.

SECTION VII - FIRST AID

- Inhalation** : Immediately remove person to fresh air. Obtain medical attention if irritation persists.
- Skin contact** : Immediately flush with plenty of water, while removing contaminated clothing. If irritation or symptoms develop, seek medical attention. Wash contaminated clothing before re-use.
- Eye contact** : Immediately flush eye(s) with plenty of water. If irritation persists, seek prompt medical attention.
- Ingestion** : Do NOT induce vomiting. If conscious, give the victim plenty of water to drink. Never give anything by mouth to an unconscious person. Consult a physician.

SECTION VIII - PREVENTIVE MEASURES

- Spill response/cleanup** : Individuals involved in the cleanup must wear appropriate personal protective equipment. Remove all sources of ignition. Ventilate area of release. Stop the spill at source if it is safe to do so. Contain and absorb spilled material with inert, non-combustible absorbent material, such as sand. Place absorbent material in a suitable, closed and labelled container for later disposal (see below). Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. Notify the appropriate authorities as required.

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Methods of Disposal : Handle according to recommendations listed below. Improper disposal can cause damage to the environment. Dispose of in accordance with federal, provincial and local hazardous waste laws.

***** PROTECTIVE EQUIPMENT *****

Ventilation and engineering measures

: None required under normal conditions. Provide sufficient ventilation to keep vapour concentration below the given TLV and/or PEL.

Respiratory protection

: Use in a well ventilated area. If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised. Advice should be sought from respiratory protection specialists.

Skin protection

: Gloves impervious to the material are recommended. Advice should be sought from glove suppliers.

Eye / face protection

: None required when used as intended. If splashing might occur, wear eye protection such as safety glasses with side shields.

Other protective equipment

: An eyewash station and safety shower should be made available in the immediate working area. Depending on conditions of use, an impervious apron should be worn.

***** STORAGE & HANDLING *****

Safe Handling procedures

: Wear chemically resistant protective equipment during handling. Use with adequate ventilation. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Keep away from acids and other incompatibles. Keep containers tightly closed when not in use. Wash thoroughly after handling.

Storage requirements

: Store in a cool, dry, well-ventilated area. Store away from incompatible materials. To protect quality, store between 4 and 48.9°C (39 and 120°F). Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks.

Special Shipping Information

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	none	
TDG Additional information	None.				

SECTION IX - PREPARATION INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- : AIHA: American Industrial Hygiene Association
- : CAS: Chemical Abstract Services
- : IARC: International Agency for Research on Cancer
- : Inh: Inhalation
- : MSHA: Mine Safety and Health Administration
- : N/Ap: not applicable
- : N/Av: not available
- : NTP: National Toxicology Program
- : NIOSH: National Institute of Occupational Safety and Health
- : OSHA: Occupational Safety and Health Administration
- : PEL: Permissible exposure limit
- : STEL: Short Term Exposure Limit
- : TCC: Tagliabue Closed Cup
- : TDG: Canadian Transportation of Dangerous Goods Act & Regulations
- : TLV: Threshold Limit Values
- : TWA: Time Weighted Average
- : WEEL: Workplace Environmental Exposure Level
- : WHMIS: Workplace Hazardous Materials Identification System

References

- : 1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2006.
- : 2. International Agency for Research on Cancer Monographs, searched 2006.
- : 3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2006 (Chempendium and RTECs).
- : 4. Material Safety Data Sheet from manufacturer.

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