

MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Benefect[®] Multi-Purpose Cleaner Concentrate
Chemical Class: Cleaner
Supplier: Sensible Life Products (div. of LBD Ltd.)
Address: 7 Innovation Drive, Flamborough, Ontario L9H 7H9
Emergency Phone: (905) 690-7474
Manufacturer: Same as Above
Product Use: General Purpose Cleaning
Updated as of: March 26/03

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

SECTION II – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	OSHA-PEL	ACGIH-TLV	LD ₅₀	LC ₅₀
2-Hydroxypropanoic acid	50-21-5	3-7	N/A	N/A	3730 mg/kg oral, rat	N/A
Alkyl polyglycoside	110615-47-9	1-5	N/A	N/A	>5000 mg/kg oral, rat	N/A
Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	1-5	N/A	N/A	>5000 mg/kg oral, rat	N/A

*No pesticides or preservatives.

*All ingredients are derived from renewable or re-growable sources.

SECTION III – HAZARDS IDENTIFICATION

Calculated Oral LD₅₀: 12526 mg/kg
Calculated Dermal LD₅₀: >2000 mg/kg

Route of Entry: Eye, skin contact, ingestion.

Effects of Acute Exposure:

Eye: Direct contact may cause mild irritation.

Ingestion: Ingestion of large amounts may cause stomach distress, nausea or vomiting.

Effects of Chronic Exposure:

Skin: None known to us at this time.

Respiratory Tract Sensitization: No data available.

Carcinogenicity: Non-hazardous by WHMIS/OSHA criteria.

Teratogenicity, Mutagenicity, Reproductive Effects: No data available.

Synergistic Materials: Not available.

SECTION IV – FIRST AID MEASURES

Eye: Flush with water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention if irritation persists.

Skin: Not a normal route of harmful exposure. Flush with 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 glass of water. Obtain medical attention or call a poison-control center immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

SECTION V – FIREFIGHTING MEASURES

Flammability: Not flammable.

Flash Point (deg F/C, TCC): None.

LEL: Not applicable.

UEL: Not applicable.

Hazardous Combustion Products: May include and are not limited to oxides of carbon.

Extinguishing Media: Treat for surrounding material.

Special Fire Hazards: Firefighters should wear self-contained breathing apparatus.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure: Before attempting clean up, refer to hazard data given above. Flush into sewage system in accordance with local regulations.

SECTION VII – HANDLING AND STORAGE

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

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Gloves: Although not considered a skin irritant under WHMIS, rubber gloves may be advisable.

Eye Protection: Safety glasses.

Respiratory Protection: Not normally required.

Other Protective Equipment: As required by employer code.

Engineering Controls: General ventilation normally adequate.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (deg F/C): Not available.

% Volatile (Wt %): Not available.

Solubility in Water: Not available.

Physical State: Liquid.

Appearance/Order: Clear, colourless, citrus scent.

Specific Gravity (H₂O=1): Not available.

Evaporation Rate (H₂O=1): Not available.

pH (as supplied): 5

Viscosity: Not available.

Odour Threshold (ppm): Not available.

SECTION X – STABILITY AND REACTIVITY

Chemical Stability: Stable

Incompatible Materials: Acids, oxidizers.

Conditions for Reactivity: Not available.

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

SECTION XI – DISPOSAL CONSIDERATIONS

Review federal, state/provincial and local government requirements prior to disposal.

SECTION XII – TRANSPORT INFORMATION

T.D.G./D.O.T. Classification: Not regulated.

SECTION XIII – REGULATORY INFORMATION

Occupational Health and Safety Regulations

WHMIS Class: Not controlled.

OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29.1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

Environmental Regulatory Lists

SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372: No ingredients require reporting.

Toxic Substances Control Act (TSCA): All the ingredients are listed on the Chemical Substance Inventory or exempt.

California Proposition 65: None of the ingredients are listed.

New Jersey Right to Know Hazardous Substance List: None of the ingredients are listed.

New York Community Right to Know Law: None of the ingredients are listed.

Pennsylvania Hazardous Substance List: None of the ingredients are listed.

Canadian Domestic Substance List (DSL): All the ingredients are listed or are in the process of being listed on the DSL.

SECTION XIV – PREPARATION INFORMATION

Date: Dec. 2002

Telephone: (905) 690-7474

MSDS Updated by:

Sensible Life Products (div. of LBD 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. 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 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).