

# MATERIAL SAFETY DATA SHEET

## SECTION I – PRODUCT IDENTIFICATION

**Product Name:** Benefect® Atomic Cleaner  
**Product Use:** Fire and Soot Cleaner  
**WHMIS Class:** Class D – Division 2B  
**D.O.T. Classification:** Not Regulated  
**TDG Classification:** Not Regulated  
**Manufacturer:** Sensible Life Products (div. of LBD Ltd.)  
**Address:** 7 Innovation Drive, Flamborough, ON CA L9H 7H9  
**Telephone:** (905) 690-7474  
**Emergency Phone:** (905) 690-7474

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

## SECTION II – HAZARDOUS INGREDIENTS

Ingredients	CAS#	WT%	OSHA-PEL	ACGIH-TLV	LC <sub>50</sub>	LD <sub>50</sub>
Sodium metasilicate	6834-92-0	1 – 5	Not available	Not available	Not available	1153 mg/kg oral, rat
Alcohols, C7-21, plant based	68991-48-0	5 – 10	Not available	Not available	Not available	~1410 mg/kg oral, rat

OSHA – MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).

SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 – No ingredients above reportable quantities.

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

California Proposition 65 – No ingredients listed.

## SECTION III – PHYSICAL DATA

**Boiling Point (°C):** Not available  
**Freezing Point (°C):** Not available  
**Vapour Pressure (mm Hg):** Not available  
**Vapour Density (Air = 1):** Not available  
**Solubility in Water:** Not available  
**Physical State:** Liquid  
**Appearance; Odor:** Clear colorless; slight detergent

**Specific Gravity (H<sub>2</sub>O = 1):** Not available  
**Coefficient of Water/Oil Distribution:** Not available  
**% Volatile (Wt%):** Not available  
**Evaporation Rate (Ether=1):** As per water  
**pH (100%):** 10.9 – 11.0  
**Viscosity:** As per water  
**Odor Threshold (ppm):** Not available

## SECTION IV – FIRE AND EXPLOSION DATA

**Flammability:** Not flammable by WHMIS/OSHA criteria  
**Flash Point (°C, TCC):** None to boil      **LEL:** Not applicable      **UEL:** Not applicable  
**Hazardous Combustion Products:** May include and are not limited to oxides of carbon.  
**Auto-ignition Temperature (°C):** Not applicable  
**Explosion Data – Sensitivity to Mechanical Impact:** Not available  
**Explosion Data – Sensitivity to Static Discharge:** Not available  
**Means of Extinction:** Treat for surrounding material.  
**Special Fire Hazards:** Firefighters should wear self-contained breathing apparatus.

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## SECTION V – REACTIVITY DATA

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**Conditions for Chemical Instability:** Stable

**Incompatible Materials:** Oxidizers, 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, inhalation, ingestion

**EFFECTS OF ACUTE EXPOSURE:**

**Eye:** May cause temporary irritation.

**Skin:** May cause temporary irritation.

**Inhalation:** May cause temporary respiratory tract irritation.

**Ingestion:** May cause stomach distress, nausea or vomiting. Not likely to cause injury.

**EFFECTS OF CHRONIC EXPOSURE:**

**Skin:** Prolonged or repeated exposure can cause drying and/or dermatitis.

**Irritancy:** Hazardous by WHMIS/OSHA criteria due to concentrated surfactants.

**Respiratory Tract Sensitization:** No data available.

**Carcinogenicity:** Non-hazardous by WHMIS/OSHA 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 disposed of without special procedures. Prevent large spills from entering sewers or waterways. If unsure, 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 the 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:** 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:** 2006/05/29

**MSDS Prepared by:** Sensible Life Products (div. of LBD Ltd.)

**Telephone:** (905) 690-7474

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## DISCLAIMER

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

Sensible Life Products assumes no responsibility for injury or damage from the use of Benefect Impact Cleaner that in any way differs from what is provided in the label directions.