

# ***PLUG BUSTERS***

## **PLUG BUSTER IS SAFE AND NON-POLLUTING**

What is PLUG BUSTER? Plug Buster is a multi-component, microbial/biochemical complex containing surface tension depressants, penetrants and accessory ingredients designed to enzymatically liquefy and remove grease, fats and organic matter from drains and plumbing systems. Plug Buster contains no harsh chemicals, such as caustics, acids or solvents and is therefore non-corrosive to metals, ceramics and plastic parts of sanitary systems. Plug Buster being non-toxic meets USDA and OSHA specifications and will not upset the activity of septic tanks or waste treatment systems. Plug Busters is ecologically safe and non-polluting.

**Plug Buster** when added to plumbing systems, liquefies fats, greases, soaps, and sludge. During this process of liquefactions, calcium deposits in the system neutralize any organic acids as they are formed. Thus a total purging of organic and mineral build-up within pipes and plumbing drains is achieved while eliminating the source of foul smelling odors.

**Plug Buster** is unconditionally guaranteed to deodorize and liquefy organic wastes in garbage disposal units, drainpipes, traps, grease traps and grease interceptors.

**PLUG BUSTER** Performs.

**Plug Buster** contains fast acting surface tension depressants and penetrants in addition to other ancillary ingredients, which eliminates “matting” and “radial grease build-up”, the normal cause of slow flowing drains.

**Plug Buster** being an integrated biological and biochemical system is capable of liquefying and digesting proteins, starches, fats, pectin's and cellulose within plumbing and drains.

# TECHNICAL DATA SHEET

## ENVIROSAFE CHEMICALS CANADA MATERIAL SAFETY DATA SHEET

### SECTION 1-PRODUCT IDENTIFICATION AND USE

### PLUG BUSTER

**PRODUCT IDENTIFIER:** PLUGBUSTERS                      **PRODUCT IDENTIFICATION NUMBER (PIN) PB**  
**PRODUCT USE:** Bio-technology (bacterial cultures), natural cleaning product (biodegradable)  
**MANUFACTURER'S NAME:** Envirosafe Chemicals Canada  
**ADDRESS:** PO Box 1792 - 10011 Thatcher Avenue  
**CITY:** North Battleford    **PROVINCE:** SK    **POSTAL CODE:** S9A 3W8    **TEL:** 306-446-0505

### SECTION 2-HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT	LC OF INGREDIENT
		(SPECIFY SPECIES AND ROUTE)	(SPECIFY SPECIES)	TLV(ACGIH)

This product contains naturally occurring non-pathogenic, non-corrosive, non-toxic, non-genetically engineered viable bacterial culture on a wheat bran carrier.

### SECTION 3-PHYSICAL DATA

**PHYSICAL STATE:** Liquid    **ODOUR AND APPEARANCE:** liquid    **ODOUR THRESHOLD (PPM):** Not Available  
White sweet odour.

**VAPOUR PRESSURE:**                      **VAPOUR DENSITY:**                      **EVAPORATION RATE:** not available  
(mm Hg) equivalent to water                      (AIR=1) (MMHG at 20°C): equivalent to water

**BOILING POINT (°C)°F 100°C**                      **FREEZING POINT(°C):** Not available                      **pH:** 7.5-8.5

**SPECIFIC GRAVITY:** Approximately 1.0                      **COEFF. WATER/OIL DIST.:** Not Available

### SECTION 4-FIRE AND EXPLOSION DATA

**FLAMMABILITY:** Non-flammable                      **IF YES UNDER WHICH CONDITION?**

**MEANS OF EXTINCTION:** Foam,                      **FLASHPOINT (°C) AND METHOD:°F:** No data

**UPPER FLAMMABLE LIMIT (% BY VOLUME) °C:**                      **LOWER FLAMMABLE LIMIT (% BY VOLUME): °C**  
Not Available                      No Data

**AUTOIGNITION TEMPERATURE (°C):** No Data                      **HAZARDOUS COMBUSTION PRODUCTS:** None Known

**EXPLOSION DATA SENSITIVITY TO IMPACT:** None                      **SENSITIVITY TO STATIC DISCHARGE:** None

### SECTION 5 REACTIVITY DATA

**CHEMICAL STABILITY:** Yes, under normal conditions.

**IF NO? UNDER WHICH CONDITION?**

**INCOMPATIBILITY WITH OTHER SUBSTANCES:** Strong acids or alkali compounds may inactivate biological cultures.

**REACTIVITY, AND UNDER WHAT CONDITIONS:** None Known

**HAZARDOUS DECOMPOSITION PRODUCTS:** None Known

**HAZARDOUS POLYMERIZATION:** Will not occur.

# TECHNICAL DATA SHEET

**ENVIROSAFE CHEMICALS CANADA**

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**PRODUCT IDENTIFICATION:**

**SECTION 6-TOXICOLOGICAL PROPERTIES**

**PLUGBUSTERS**

**ROUTE OF ENTRY:**

**SKIN:** SKIN ABSORPTION: EYE CONTACT: x INHALATION: x INGESTION: x

**EFFECTS OF ACUTE EXPOSURE TO PRODUCT:** Non-applicable

**EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:** Non-applicable

**EXPOSURE LIMITS:** No

**IRRITANCY OF PRODUCT:** Not Available

**SENSITIZATION OF PRODUCT:** None Known

**CARCINOGENICITY:** None

**TERATOGENICITY:** Not Available

**REPRODUCTIVE TOXICITY:** Not Available

**MUTAGENICITY:** Not Available

**SYNERGISTIC PRODUCTS:** Not Available

**SECTION 7-PREVENTIVE MEASURES**

**PERSONAL PROTECTIVE EQUIPMENT:**

**GLOVES:** Latex rubber gloves

**RESPIRATOR:** None required for recommended use.

**EYE:** Chemical goggles or face shield

**FOOTWEAR:** Rubber Boots

**CLOTHING:** None required

**OTHER:** Eye bath

**ENGINEERING CONTROL (SPECIFY, EG. VENTILATION ENCLOSED PROCESS):** Normal room ventilation

**LEAK AND SPILL PRODUCE:** Mop up spills where possible, flush down drain to waste treatment sewer.

**WASTE DISPOSAL:** May be added directly to waste treatment system or flushed down sewer.

**HANDLING PROCEDURES AND EQUIPMENT:** Prevent skin and eye contact, wash hands thoroughly with soap and water after use. Avoid contact with eyes.

**STORAGE REQUIREMENTS:** Avoid prolonged exposure to high and low temperatures and humidity. Avoid temperatures above 110°F and keep from freezing.

**SPECIAL SHIPPING INFORMATION:** Not regulated by TDG classification

**SECTION 8-FIRST AID MEASURES**

**EYE:** Flush thoroughly with water for 15 minutes. Have eyes examined and treated by medical personnel.

**SKIN:** Wash affected area thoroughly with soap and water. Wash clothing and footwear before reuse.

**INHALATION:** Move subject to fresh air.

**INGESTION:** Drink large amounts of water or milk to dilute. Induce vomiting only if advised by physician or poison control centre. Contact physician if intestinal upset persists.

**SECTION 9-PREPARATION DATE OF MSDS**

**PREPARED BY:** ENVIROSAFE TECHNICAL DEPT. PHONE NUMBER: 306-446-0505

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