

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier/Trade name:** SAFEBLEND DISH DETERGENT, ECONO  
**Product code/Internal Identification:** CCS VEPG  
**Product use/Description:** Hand dish detergent with grapefruit oil.  
**Supplier identifier:** Chemotec (PM) Inc.  
8820 Place Ray Lawson  
Anjou, Québec, Canada H1J 1Z2  
Phone: (514) 729-6321; 1-800-729-6321  
**Manufacturer identifier:** Chemotec (PM) Inc.  
8820 Place Ray Lawson  
Anjou, Québec, Canada H1J 1Z2  
Phone: (514) 729-6321; 1-800-729-6321  
**Emergency phone number:** (613) 996-6666 (CANUTEC)

**SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Ingredients</b>	<b>CAS #</b>	<b>% (weight)</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>
Sodium linear alkylbenzene sulfonate	68081-81-2	3-7	None established	None established
Nonionic surfactant	110615-47-9	1-5	None established	None established

**SECTION 3 - HAZARDS IDENTIFICATION****Emergency Overview**

Clear colourless liquid with grapefruit oil odour. CAUTION. May cause moderate eye irritation.

**POTENTIAL HEALTH EFFECTS** (for more details, refer to Section 11)

**Primary entry route(s):** Eye, skin and ingestion.

**Eye:** May cause mild to moderate irritation.

**Skin:** No effect under normal use.

**Inhalation:** No effect expected.

**Ingestion:** May cause slight irritation, diarrhea, and nausea.

**Long-term (chronic) exposure:** Prolonged contact with the product may cause dryness, slight irritation.

**Conditions aggravated by exposure:** None expected.

**Carcinogenic status:** See TOXICOLOGICAL INFORMATION, Section 11.

**Additional health hazards:** For further information, see TOXICOLOGICAL INFORMATION, Section 11.

**Potential environmental effects:** See ECOLOGICAL INFORMATION, Section 12.



**SECTION 4 - FIRST AID MEASURES**

**Eye contact:**

Immediately rinse with plenty of water for several minutes, keeping eyelids open. If irritation persists, repeat flushing and seek medical attention immediately.

**Skin contact:**

No effect expected.

**Inhalation:**

No effect expected.

**Ingestion:**

If conscious, give plenty of water. Never give anything by mouth if the person is unconscious. Do not induce vomiting. In case of discomfort, seek medical attention.

**SECTION 5 - FIRE FIGHTING MEASURES**

**Fire hazards/conditions of flammability:**

Not flammable under normal handling conditions. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

**Flash point (Method):** None

**Lower flammable limit (% by volume):** N/Av

**Upper flammable limit (% by volume):** N/Av.

**Explosion data - Sensitivity to mechanical impact:** Probably not sensitive

**Explosion data - Sensitivity to static discharge:** Probably not sensitive

**Auto-ignition temperature:** N/Av

**Suitable extinguishing media:**

Water, foam, dry chemicals, carbon dioxide.

**Special fire-fighting procedures/equipment:**

During a fire, irritating smoke and fumes may be generated. A self-contained breathing apparatus is required for fire-fighting personnel to protect themselves from irritating products produced during the combustion. Move containers from fire area if it can be done without risk. A stream of water directed into the product generates a lot of foam.

**Hazardous combustion products:**

Oxides of carbon and nitrogen and other irritating gases.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Wear adequate personal protective equipment (See Section 8).

**Spill response/Cleanup:**

Wear personal protective equipment. Stop the leak if you can do so without risk. Pump the product into drums for disposal; or clean up spills using absorbent material and place in waste container for destruction. Resume cleaning by rinsing with water.

**Environmental precautions:**

Biodegradable.

**Prohibited materials:** N/Av

**Special spill response procedures:** N/Av



## SECTION 7 - HANDLING AND STORAGE

### Safe handling procedures:

Avoid contact with eyes and clothing. Keep away from heat and flame. Keep containers closed when not in use. Do not use with incompatible materials such as strong oxidizing agents.

### Storage requirements:

Store in a tightly sealed container, in a well ventilated room. Do not store with food products. Keep from freezing.

**Special packaging materials:** N/Ap

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Engineering controls:

Not required under normal applications.

### Respiratory Protection:

Not required under normal applications.

### Skin protection and other protective equipment:

Not required under normal applications.

### Eye / face protection:

Not required under normal applications.

### General hygiene considerations:

**KEEP OUT OF REACH OF CHILDREN.** Avoid contact with eyes. Never eat, drink, or smoke in work areas.

Practice good personal hygiene after using this material.

**Permissible exposure levels:** For individual ingredient exposure levels, see Section 2.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Physical state, colour and odour:** Clear colourless liquid with grapefruit oil odour.

**Odour threshold:** N/Av

**pH :** 6.5-7.5

**Boiling point:** Approximately 100 °C (212 °F)

**Melting/freezing point:** Approximately 0 °C (32 °F)

**Vapour pressure:** Approximately 20 mm Hg (water)

**Solubility in water:** Complete.

**Coefficient of oil/water distribution:** N/Av

**Specific gravity or density (water = 1, at 4 °C):** 1.02 g/cm<sup>3</sup>@ 20 °C (68 °F)

**Vapour density:** Approximately 0.6 (water)

**Evaporation rate:** Approximately 0.4 (water)

**% volatile by volume:** Not available

**Viscosity:** 300-400 cps @ 25 °C (77 °F)

**SECTION 10 - REACTIVITY AND STABILITY DATA****Stability and reactivity:**

Stable at room temperature, in normal handling and storage conditions.

**Polymerisation:** Hazardous polymerization will not occur.

**Conditions to avoid:**

Avoid strong oxidizing.

**Materials to avoid:**

Avoid strong oxidizing agents.

**Hazardous decomposition products:**

None.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Toxicological data:** The calculated LD<sub>50</sub> for this product is greater than 10,000 mg/Kg, oral, rat; SAFEBLEND products are not tested on animals.

Ingredient	LD <sub>50</sub> (route, species)	LC <sub>50</sub> # hours (species)
Sodium linear alkylbenzensulfonate	5,000 mg/kg (oral, rat)	N/Av
Alkyl polyglycoside	Greater than 2,000 mg/Kg (oral, rat)	N/Av

**For more details, refer to Section 3.**

**Carcinogenicity:** No ingredient listed by IARC, ACGIH, NTP and OSHA as a possible carcinogen.

**Teratogenicity, mutagenicity, other reproductive effects:** N/Av

**Skin sensitization:** N/Av

**Respiratory tract sensitization:** N/Av

**Synergistic materials:** N/Av

**Other important hazards:** N/Av

**SECTION 12 - ECOLOGICAL INFORMATION**

**Environmental effects:** Product is expected to be readily biodegradable as per OECD 301.

**Important environmental characteristics:** Product is expected to be readily biodegradable as per OECD 301.

**Aquatic toxicity:** There is no test data on this product.

**SECTION 13 - WASTE DISPOSAL****Handling and storage conditions for disposal:**

Store material for disposal as indicated in Handling and Storage (Section 7).

**Methods of disposal:**

Dispose according to existing federal, provincial and municipal regulations.



**SECTION 14 - TRANSPORTATION INFORMATION**

**Transportation of Dangerous Goods (TDG) in Canada :**

Proper shipping name: Not Regulated  
Class: N/Ap  
Identification number: N/Ap  
Packing group: N/Ap  
Special case: N/Ap

**SECTION 15 - REGULATORY INFORMATION**

**In Canada**

**WHMIS information:**

Product is regulated according to the Controlled Product Regulation (CPR) in Canada. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

**WHMIS Classification:** D2B – Toxic Materials with other effects

**CEPA information:** Ingredients are listed on the DSL inventory.

**Other information:**

**HMS:** 0 Minimal 1 Slight 2 Moderate 3 Serious 4 Severe  
**Health Hazard:** 1  
**Fire Hazard:** 0  
**Reactivity:** 0  
**Personal Protection:** (See section 8.)  
**NFPA:** 0 Minimal 1 Slight 2 Moderate 3 Serious 4 Severe  
**Fire Hazard:** 0  
**Reactivity:** 0  
**Specific Hazard:** None

**SECTION 16 - OTHER INFORMATION**

**Prepared by:** Chemotec (PM) Inc.  
**Phone number:** (514) 729-6321  
**Date:** October 6, 2008

**References:**

1. Manufacturer'/suppliers' MSDS.
2. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2006.
3. International Agency for Research on Cancer Monographs, searched 2006.



**Abbreviations:**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
cps	Centipoise
DSL	Domestic Substance List
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
LC	Lethal concentration
LD	Lethal Dosage
N/Av	Not Available
N/Ap	Not Applicable
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
WHMIS	Workplace Hazardous Materials Information System

End of the MSDS