

Date: January 2014

## 1. Material Identification

**Product Name:** Ener-Kleen CD  
**Product Use:** Heavy Duty Multi-Purpose Cleaner and Degreaser  
**Classifications:** 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Extreme  
**Health: 0 Personal Protection: 0 Reactivity: 0 Fire: 0**  
**Suppliers Name:** Enerspec Mfg. Inc **Telephone:** 403-348-5471  
 53 B1 Burnt Park Drive **Fax:** 403-348-5473  
 Red Deer Alberta  
 T4P 0J7

## 2. Hazardous Ingredients of Materials

| Ingredient(s)      | CAS #      | % By Weight | LD50<br>(species & route) | LC50<br>(species & route) |
|--------------------|------------|-------------|---------------------------|---------------------------|
| Surfactant Mixture | 68991-48-0 | 5 – 10      | Not Available             | Not Available             |

## 3. Physical Data for Material

**PHYSICAL STATE (GAS/LIQUID/SOLID):** Liquid.  
**ODOUR/APPEARANCE:** Water thin, clear purple, mild odor  
**ODOUR THRESHOLD (PPM):** N/A  
**SPECIFIC GRAVITY:** 1.00 +/- 0.005  
**VAPOUR PRESSURE (MM):** N/A  
**VAPOUR DENSITY (AIR = 1):** Similar  
**EVAPORATION RATE:** Similar  
**BOILING POINT (°C):** 100°C  
**FREEZING POINT (°C):** N/A  
**SOLUBILITY IN WATER (20°C):** Soluble  
**% VOLATILE (BY VOL.):** 0  
**pH:** 11.5 +/- 0.2

## 4. Fire and Explosion Hazard

**Flammability:** No **Flashpoint (°C) and Method:** N/A  
**Means of Extinction:** N/A **Upper Explosion Limit (% by Vol):** N/A  
**Special Procedures:** N/A **Lower Explosion Limit (% by Vol):** N/A  
**Hazardous Combustion Products:** N/A **Auto-Ignition Temp (°C):** N/A  
**TDG Flammability Classification:** N/A

## 5. Reactivity Data

**Chem. Stability:** Stable **Reactivity – Conditions:** N/A  
**Incompatibility to Substances:** Strong Oxidizing Agents **Hazardous Decomposition Products:** N/A

## 6. Toxicological Properties

### ROUTE OF ENTRY:

|              |     |
|--------------|-----|
| Skin Contact | No  |
| Eye Contact  | Yes |
| Ingestion    | Yes |
| Inhalation   | No  |

### EFFECTS OF ACUTE EXPOSURE:

May cause irritation  
May cause irritation  
May cause vomiting and headache  
If aerosolized in a very fine mist and used in enclosed areas may cause nose, throat and respiratory tract irritation, coughing & headache, but not under normal use conditions.

**EFFECTS OF CHRONIC EXPOSURE:** Prolonged or repeated skin exposure can cause drying, defatting and dermatitis.

## 7. Preventive Measures

### PERSONAL PROTECTIVE EQUIPMENT:

#### GLOVES:

Not normally required under normal use conditions. If prolonged contact with concentrate, use latex rubber, butyl rubber or natural rubber gloves.

#### RESPIRATORY:

Not normally required if good ventilation is maintained and exposure guidelines are not exceeded

#### EYE:

Not normally required. Chemical splash goggles if can be splashed in eyes

#### ENGINEERING CONTROLS:

General ventilation normally adequate

### LEAK and SPILL PROCEDURE:

Before attempting clean-up, refer to hazard data given above. Small spill may be absorbed with non-reactive absorbent or cleaned up using mop & bucket method and disposed with the wash water. This product is considered biodegradable.

### WASTE DISPOSAL:

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

### HANDLING PROCEDURES / EQUIPMENT: N/A

### SPECIAL SHIPPING INFORMATION: N/A

### STORAGE REQUIREMENTS: Store in closed container. Store away from incompatible materials

## 8. First Aid Measures

|                    |   |
|--------------------|---|
| <b>Eye:</b>        | Immediately flush with water for 15 minutes. Call a doctor if irritation persists   |
| <b>Skin:</b>       | Flush with water. Call a doctor if irritation develops  |
| <b>Inhalation:</b> | Remove to fresh air. If symptoms persist, call a doctor   |
| <b>Ingestion:</b>  | DO NOT induce vomiting. Rinse mouth with water, then drink one glass of water. Contact a doctor immediately. Never give anything by mouth if victim is unconscious. |

NOTICE: INFORMATION CONTAINED IN THIS MSDS IS DRAWN FROM RELIABLE SOURCES.  
WE DO NOT ASSUME ANY LIABILITY IN CONNECTION WITH ITS INADEQUATE USE.