Gold Medal Products Co.

For Emergency Assistance involving chemicals call – CHEM-TEL (888) 255-3924

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The Version Date and Number for this MSDS is: 03/29/2007 - #003

PRODUCT NAME: Heat'n Kleen

MSDS NUMBER: 0003

EFFECTIVE DATE: 3/29/2007

SUPERSEDES: 3/18/2003

ISSUED BY: 000099

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Id: 2095, 2095MC, 5525MC
Product Name: Heat' n Kleen
Synonyms: None
Chemical Family: None Known
Application: Not Available.

Distributed by:
Gold Medal Products Co.
10700 Medallion Dr.
Cincinnati, OH 45241
513-769-7676

Emergency Telephone Number (CHEM-TEL): (888) 255-3924

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	LD50s and LC50s Route & Species:
Trade Secret	>60	Inhalation LC50 Rat : 2300 mg/m3/2H Inhalation LC50 Mouse : 1200 mg/m3/2H Oral LD50 Rat : 4090 mg/kg Oral LD50 Mouse : 6600 mg/kg\
Trade Secret	10	Oral LD50 Rat : 1153 mg/kg Oral LD50 Mouse : 770 mg/kg

Trade Secret	4.5	Not available.
Trade Secret	<1	Oral LD50 Rat : 1310 mg/kg Oral LD50 Mouse : >50gm/kg Dermal LD50 Rabbit : 2 mL/kg
Trade Secret	0.7	Not available.
Trade Secret	0.2	Oral LD50 Mouse : 5989 mg/kg
Trade Secret	<1	Oral LD50 Rat : 3200 mg/kg Dermal LD50 Rabbit : 5 gm/kg
Trade Secret	0.13	Oral LD50 Rat : 5300 mg/kg Oral LD50 Mouse : 5550uL/kg
Trade Secret	0.1	Not available.
Trade Secret	20	Not available.

Notes:
No additional remark.

3. HAZARDS IDENTIFICATION

Potential Acute Health Effects:

Eye Contact:
Causes moderate eye irritation. Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

Skin Contact:
Causes moderate skin irritation. Prolonged or repeated contact may cause defatting and drying of the skin.

Inhalation:
Causes irritation of the mouth, nose and throat. May irritate the lungs.

Ingestion:
Harmful if swallowed. May cause abdominal discomfort, nausea, vomiting and diarrhea.

4. FIRST AID MEASURES

Eye Contact:
In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.

Inhalation:
Remove person to fresh air. If not breathing, give artificial respiration.
If breathing is difficult, get immediate medical attention.

Ingestion:
Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Notes To Physician:
No specific antidote. Treatment based on sound judgment of physician and individual reactions of patient. Due to the irritating nature of the material, any aspiration during vomiting could result in severe lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. However, the acute peroral systemic toxicity of the material indicates that evacuation of the stomach contents should be undertaken at the earliest possible time by means carrying the least likelihood of aspiration (e.g., the use of gastric lavage with endotracheal intubation).

5. FIRE FIGHTING MEASURES

Flash Point (C): None - will not burn. (F): None - will not burn.
Flash Point Method: Not applicable.
Autoignition Temperature (C): Not applicable. (F): Not applicable.
Flammable Limits in Air - Lower (%): Not applicable.
Flammable Limits in Air - Upper (%): Not applicable.

Extinguishing Media:
Use DRY chemicals, CO_2, alcohol foam or water spray.

Special Exposure Hazards:
Decomposition in fire may produce toxic gases. Stay upwind.

Special Protective Equipment:
Fire fighters should wear full protective clothing, including self-contained breathing equipment.

NFPA RATINGS FOR THIS PRODUCT ARE:
HEALTH 1, FLAMMABILITY 0 , REACTIVITY 0

HMIS RATINGS FOR THIS PRODUCT ARE:
HEALTH 2, FLAMMABILITY 0 , REACTIVITY 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures:
Wear appropriate protective equipment.

Environmental Precautionary:
Prevent entry into sewers or streams, dike if needed. Consult local authorities.

Procedure for Cleaning/Absorption:
Sweep up or vacuum up and place in an appropriate closed container. Restrict access to unprotected personnel. Ventilate area. Flush area with water to remove trace residue. Spilled material may cause floors and contact surfaces to become slippery.

7. HANDLING AND STORAGE

Handling:
Avoid contact with eyes, skin and clothing. Use good personal hygiene. Use with adequate ventilation. Keep the containers closed when not in use.
Avoid breathing in dust.

Storage:
Keep containers tightly closed. Store in accordance with good industrial practices. Store in a cool, dry, well ventilated area, away from heat and ignition sources. Away from acids. Place away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:
Use in a well ventilated area. Local exhaust ventilation as necessary to maintain exposures to within applicable limits. In confined areas, local and general ventilation should be provided to maintain airborne concentrations below permissible exposure limits.

Respiratory Protection:
If exposure exceeds occupational exposure limits, use an appropriate NIOSH-approved respirator. Use NIOSH approved dust respirator.

Gloves:
Nitrile. Impervious. Cotton gloves permitted for dry product, impervious gloves when handling solutions.

Skin Protection:
As a minimum, wear long-sleeve shirts, trousers, and gloves for routine produce use. Impervious clothing.

Eyes:
Chemical goggles; also wear a face shield if splashing hazard exists. Do NOT wear contact lenses.

Other Personal Protection Data:
Ensure that eyewash stations and safety showers are proximal to the work-station location.

Hazardous Components:

Ingredients	Percent	ACGIH 2000 Time Weighted Averages	OSHA - Vacated PELs Time Weighted Averages
Trade Secret	>60	Not available.	Not available.
Trade Secret	10	Not available.	Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid Granular
Color: White
Odor: Slight
pH: Not Available.
Specific Gravity: 2.533
Boiling Point (C): Not Available. (F): Not Available.
Freezing Point (C): Not Available. (F): Not Available.
Vapor Pressure: Not Available.
Vapor Density: Not Available.
% Volatile by Volume: Not Available.
Evaporation Rate: Not Available.
Solubility: Soluble.
VOCs (lbs/gallon): Not Available.
Viscosity: Not Available.
Molecular Weight: Not Available.

10. STABILITY AND REACTIVITY

Chemical Stability:
Stable

Hazardous Polymerization:
Will not occur.

Conditions to Avoid:
Simultaneous exposure to soda ash and lime dusts (CaO). In the presence of moisture (i.e. perspiration) the two materials combine to form corrosive caustic soda (NaOH), which may cause burns.

Materials to Avoid:
Contact with acids. Generates heat when mixed with acid. May react with ammonium salt solutions resulting in evolution of ammonia gas.
Flammable hydrogen gas may be produced on contact with aluminum, tin, lead, and zinc.
Carbon monoxide gas may be produced on contact with reducing sugars.

Hazardous Decomposition Products:
Carbon monoxide. Carbon dioxide. Aldehydes Hydrocarbons. Ketones Hydrogen
Irritating vapors Unidentified organic compounds.

Additional Information:
Contact with acids will release carbon dioxide gas. Can react violently with red hot aluminum metal; fluorine gas; lithium; and 2,4,6-trinitrotoluene.

11. TOXICOLOGICAL INFORMATION

Principle Routes of Exposure
Ingestion:
Harmful if swallowed. May cause abdominal discomfort, nausea, vomiting and diarrhea.

Skin Contact:
Causes moderate skin irritation. Prolonged or repeated contact may cause defatting and drying of the skin.

Inhalation:
Causes irritation of the mouth, nose and throat. May irritate the lungs.

Eye Contact:
Causes moderate eye irritation. Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

Aggravated Conditions:
Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis. Excessive contact may produce "soda ulcers" on hands and perforation of the nasal septum.
Sensitivity reactions may occur from prolonged and repeated exposure.

Carcinogenicity Comment:
None.

Other:
None known.

Acute Test:
Acute Oral LD50:
Not Available.

Acute Dermal LD50:
Not Available.

Acute Inhalation LC50:
Not Available.

Primary Irritation Effect:
Causes skin and eye irritation. Harmful if inhaled.

Carcinogenicity:
Not listed with IARC, NTP, ACGIH or OSHA as a carcinogen. This product may contain trace amounts of ethylene oxide which could accumulate in the headspace of storage containers. Repeated or prolonged airborne exposure to ethylene oxide may be harmful, since ethylene oxide is a cancer and reproductive hazard.

Genotoxicity:
Not Available.

Reproductive/Developmental Toxicity:
Not Available.

Teratogenicity:
Not Available.

Embryotoxicity:
Not Available.

Mutagenicity:
Not Available.

12. ECOLOGICAL INFORMATION

Mobility:
Not Available.

Persistence:
Not Available.

Bioaccumulative:
Not Available.

Ecotoxicological Information:
Acute Fish Toxicity:
Not Available.

Acute Crustaceans Toxicity:
Not Available.

Acute Algae Toxicity:
Not Available.

Chemical Fate Information:
Not Available.

Other Information:
Toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Disposal of Waste Method:
Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.

Contaminated Packaging:
Empty containers should be recycled or disposed of through an approved waste management facility.

14. TRANSPORT INFORMATION

DOT (U.S.):
- DOT Shipping Name: Not regulated.
- Hazard Class: Not applicable.
- UN/NA Number: Not applicable.
- DOT Packing Group: Not applicable.
- DOT Reportable Quantity (lbs): Not applicable.
- Marine Pollutant: No.

ICAO/IATA:
- IATA Proper Shipping Name: Not regulated.
- IATA Hazard Class: Not Applicable.
- UN/NA Number: Not applicable.
- Packing Group: Not Applicable.
- IATA Label: Not regulated.
- Remarks: No additional remark.

IMDG:
- IMDG Proper Shipping Name: Not regulated.
- Hazard Class: Not applicable.
- Packing Group: Not applicable.
- EMS No.: Not applicable.
- MFAG Table No.: Not applicable.
- Marine Pollutant: No.
- IMDG Flash Point (C): Not available.
- IMDG Label: Not regulated.
- Remarks: No additional remark.

TDG (Canada):
- TDG Proper Shipping Name: Not Regulated.
- Hazard Class: Not applicable.
- UN Number: Not applicable.
- Packing Group: Not applicable.
- Note: No additional remark.
- Marine Pollutant: No.

15. REGULATORY INFORMATION

TSCA Inventory Status:
Listed on Inventory: YES

DSL Canadian Inventory Status:
All ingredients comply with the Canadian Domestic Substances List

U.S. Regulatory Rules

CERCLA/SARA - Section 302 Extremely Haz Not Listed.
CERCLA/SARA - Section 313 Not Listed

California Proposition 65: Cal Prop 65 applies to this product.
MA Right to Know Law: Listed.
New Jersey Right-to-Know List: Listed.
Pennsylvania Right to Know List: Listed.

Canada - WHMIS Classification:
D2B TOXIC MATERIALS

16. OTHER INFORMATION

Additional Information:
This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

For Additional Information:
Contact: MSDS Coordinator – Gold Medal Products Co.
During business hours, (513) 769-7676

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