



# KLEEN KRETE™

# MATERIAL SAFETY DATA SHEET

Effective Date: January 14, 2009

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## SECTION 1 CHEMICAL PRODUCT and COMPANY IDENTIFICATION

<b>Product Name:</b>	Kleen Krete
<b>Chemical Name:</b>	Mixture
<b>Chemical Family:</b>	Cleaning, Scouring or Washing Compound NOI or Soap NOI
<b>CAS Number:</b>	Not Applicable for Mixtures
<b>Manufacturer:</b>	Progressive Solutions Corporation, PO Box 7277, Algonquin, IL 60102 TEL: 847.639.7272 EMAIL: support@4progressive.com
<b>Emergency Contact:</b>	847.639.7272 Normal Business Hours Or Call Local Poison Control Center

The information provided in this Material Safety Data Sheet is for KLEEN KRETE, a clear liquid with a mild fruity odor.

## SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

Principal Ingredient:

Component	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH	Carcinogen
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*The specific chemical identity and composition are being withheld as a trade secret.  
For more information call 847.639.7272*

## SECTION 3 HAZARDS IDENTIFICATION

	<p>***** EMERGENCY OVERVIEW *****</p> <p>DO NOT TAKE INTERNALLY. DO NOT GET IN EYES. AVOID BREATHING MISTS. MAY CAUSE IRRITATION. If symptoms appear, leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention immediately.</p>	
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**Acute Potential Health Effects:** See Section 11 for complete toxicological information.

<b>Inhalation:</b>	Mists of this product may cause irritation to the mucous membranes. At high temperatures irritation is pronounced.
<b>Eye:</b>	May cause irritation and burns if not immediately removed.
<b>Skin:</b>	May cause mild irritation. Prolonged or repeated contact may cause drying, defatting of skin and dermatitis. An ingredient in this product may be absorbed through the skin.
<b>Ingestion:</b>	Will cause nausea, vomiting and diarrhea if ingested.

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**SECTION 4****FIRST AID MEASURES**

<b>Eye Contact:</b>	Immediately flush eyes, holding eyelids apart, with copious amounts of water. Continue this for 15 minutes. If irritation persists, promptly contact a physician.
<b>Skin Contact:</b>	Flush skin with water. Wash skin thoroughly with mild soap and water.
<b>Inhalation:</b>	If irritation is experienced remove to fresh air. If irritation persists consult a physician.
<b>Ingestion:</b>	Do <b>NOT</b> induce vomiting. Give large amounts of water. Call physician immediately!
<b>Notes to Physician:</b>	Treat symptomatically.
<b>Other:</b>	Wash contaminated clothing before reuse.

**SECTION 5****FIRE FIGHTING MEASURES**

<b>Flash Point:</b>	Not Available.	
<b>Flash Point Method:</b>	Not Available.	
<b>Burning Rate:</b>	Not Available.	
<b>Auto Ignition Temperature:</b>	Not Available.	
<b>Lower Explosive Level:</b>	Not Available.	
<b>Upper Explosive Level:</b>	Not Available.	
<b>Flammability Classification:</b>	This product not expected to ignite under normal conditions.	
<b>Extinguishing Media:</b>	This product is not expected to burn under normal conditions.	
<b>Unusual Fire or Explosion Hazards:</b>	Not Applicable.	
<b>Combustion Products:</b>	Carbon monoxide and carbon dioxide can form. Hydrogen chloride. Smoke, fumes.	
<b>Fire Fighting Instructions and Equipment:</b>	Use accepted fire fighting techniques. Wear full firefighting protective clothing, include self-contained breathing apparatus (SCBA).	

**SECTION 6****ACCIDENTAL SPILL / RELEASE MEASURES**

*Personal Protective Equipment must be worn, see Personal Protection Section 8 for PPE recommendations.*

<b>Spill / Leak Procedures:</b>	Stop spill at source if possible. Prevent entry into sewers and waterways. Contain spill. Ventilate area if spilled in a confined space or other poorly ventilated areas. Neutralize spills with lime or soda ash. Residual liquid can be absorbed by inert material. Flush spill area with plenty of water.
<b>Waste Disposal:</b>	Dispose of in accordance with Local, State, and Federal Environmental Regulations. Determine waste classification at time of disposal – conditions of use may render the spent product hazardous waste.

**SECTION 7****HANDLING and SHIPPING**

<b>General Handling Procedures:</b>	Avoid generation mists. Use at as low as possible temperatures. Use with adequate ventilation. Avoid contact with skin and eyes. Wash hands thoroughly after use.
<b>Storage Procedures:</b>	Keep containers sealed and store upright when not in use. Rotate stock. Avoid localized overheating. <b>Protect from freezing.</b>
<b>Work / Hygienic Practices:</b>	Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Never use a torch to cut or weld on or near containers. Wash thoroughly after handling. Empty containers contain product residue which may exhibit hazards of the product. Maximum handling temperature has not been determined. Use appropriate protective equipment.

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**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Ventilation Procedures:</b>	Normal ventilation is adequate. For use at high temperatures or where mists are formed local exhaust may be required.
<b>Gloves Procedure:</b>	Impervious or neoprene gloves should be worn when contact can occur.
<b>Eye Protection:</b>	Chemical splash goggles.
<b>Respiratory Protection:</b>	Use NIOSH/MSHA approved respirator with a dust mist cartridge.
<b>Clothing Recommendation:</b>	Rubber apron or suit.

**SECTION 9 PHYSICAL and CHEMICAL PROPERTIES**

<b>Loading Temperature:</b>	Not Applicable	<b>Molecular Weight:</b>	Not Determined
<b>Flash Point:</b>	Not Applicable	<b>pH:</b>	3.2
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.29	<b>Water Solubility:</b>	Soluble
<b>Boiling Point:</b>	>208°F, > 98°C	<b>Freezing Point:</b>	Not Determined
<b>Vapor Pressure:</b>	Vapor is water	<b>Evaporation Rate:</b>	Not Applicable
<b>Percent Volatile:</b>	Not Applicable	<b>Viscosity:</b>	Water Like
<b>Vapor Density (Air=1):</b>	Vapor is water	<b>Odor Threshold:</b>	Not Determined
<b>Odor and Appearance:</b>	Clear liquid, mild fruity odor	<b>Physical State:</b>	Liquid

**SECTION 10 STABILITY and REACTIVITY**

<b>Stability:</b>	This material is stable.
<b>Decomposition Temperature:</b>	Will not occur.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Incompatibility:</b>	Strong oxidizing agents and acids. Do not use with nitrites. Reacts with active metals.

**SECTION 11 TOXICOLOGICAL INFORMATION**

<b>Eye Effects:</b>	Will cause irritation on contact, may be severe if not immediately removed.
<b>Skin Effects:</b>	May cause mild irritation on contact. Prolonged or repeated contact may cause drying, defatting of skin and dermatitis. An ingredient in this product may be absorbed through the skin.
<b>Chronic Effects:</b>	Repeated skin contact may cause dermatitis. Careful hygiene should be observed to wash all product off skin after use to avoid possible skin irritation.
<b>Acute Inhalation:</b>	Mists of this product may cause irritation to the mucous membranes. At high temperatures irritation is pronounced.
<b>Acute Oral:</b>	Will cause nausea, vomiting and diarrhea if ingested. Acute oral toxicity (LD-50 oral) 1,950 mg/kg.
<b>Reproductive Toxicity:</b>	No Data Available.
<b>Carcinogenicity:</b>	This material has shown no evidence of being a carcinogen in animal studies.
<b>Mutagenicity:</b>	No Data Available.
<b>Teratogenicity:</b>	No Data Available.

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**SECTION 12****ECOLOGICAL INFORMATION**

<b>Freshwater Fish Toxicity:</b>	Slight 24-48 HR LC50, Bluegill Sunfish: 93 MG/L – 96 HR LC50, Fathead Minnows: 164 Mg/L	<b>Biodegradation:</b>	Yes, (B.O.D.) Test – F Factor (0.28)
<b>Saltwater Fish Toxicity:</b>	Not Applicable	<b>Soil Mobility:</b>	Not Applicable
<b>Miscellaneous Toxicity:</b>	Not Applicable	<b>Bioaccumulation:</b>	Not Applicable
<b>Algal Inhibition:</b>	Not Applicable	<b>Freshwater Invertebrates Toxicity:</b>	Not Applicable
<b>Bacteria Toxicity:</b>	Not Applicable	<b>Ecotoxicity:</b>	Not Applicable

**SECTION 13****DISPOSAL CONSIDERATIONS**

<b>Waste Disposal:</b>	<p>Comply with Federal, State and Local Regulations. If approved, neutralize with lime or soda ash and flushed to wastewater treatment system. This material may be a RCRA Hazardous waste due to its corrosive characteristics.</p> <p><i>CARE MUST BE TAKEN TO PREVENT CONTAMINATION FROM THE USE OF THIS MATERIAL. THE USER OF THIS MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF THE UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.</i></p>
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**SECTION 14****TRANSPORTATION INFORMATION**

<b>U.S. Shipping Information:</b>	<b>CFR 49 Section 173.24:</b> Non Corrosive <b>N.A.C.E. (ASTM G-31):</b> Non Corrosive <b>Regulation by: D.O.T. and I.M.O.:</b> Non-Hazardous. <b>H.S. Tariff #:</b> 3402.90.50.30 <b>Schedule B #:</b> 3402.90.50.30 <b>Shipping Class:</b> 55 <b>SARA Extremely Hazardous Substance:</b> NO <b>ERCLA Hazardous Substance:</b> NO <b>SARA Toxic Chemical:</b> NO <b>N.M.F.C.#:</b> 48580 – Sub 3 – Cleaning, Scouring or Washing Compounds, N.O.I., Liquid
<b>Canadian Shipping Information:</b>	Not regulated under Transportation of Dangerous Goods Act.
<b>Other:</b>	Not Applicable

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**SECTION 15****REGULATION INFORMATION**

<b>U.S. TSCA Inventory:</b>	All components of this material are listed or exempt from the US TSCA Inventory.
<b>SARA Extremely Hazardous Substances:</b>	This product does not contain greater than 1% of any chemical substance on the SARA Extremely Hazardous Substances list.
<b>SARA Section 313:</b>	This product does not contain greater than 1% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.
<b>TDG Regulated Limits:</b>	None Known
<b>SARA 311/312 Hazards:</b>	Acute Health Hazard
<b>V.O.C. Compliant:</b>	Yes
<b>Canada:</b>	WHMIS Classification E. All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

**SECTION 16****OTHER INFORMATION**

<b>Abbreviations:</b>	ACGIH (American Conference of Governmental Industrial Hygienists); ANSI (American National Standards Institute); CAS (Chemical Abstract Service); CERCLA (Comprehensive Environmental Response, Compensation, & Liability Act); CFR (Code of Federal Regulations); CHIP (Chemicals Hazard Information & Packaging for Supply); COC (Cleveland Closed Cup); CONCAWE (European Organization for Environment, Health & Safety); CPR (Controlled Products Regulations); DOL (Department of Labor); EEC (European Economic Community Directives); EINECS (European Inventory of Existing Commercial Chemical Substances); EL50 (Effective loading rate required to immobilize 50% invertebrate species); ELINCS (European List of New Chemical Substances); EPA (Environmental Protection Agency); EPCRA (Emergency Planning & Community Right-To-Know Act of 1986); EU (European Union); FDA (Food & Drug Administration-USA); GHS (Global Harmonization System); HCS (Hazard Communication Standard); IARC (International Agency for Research on Cancer); ILO (International Labor Organization); LC50 (Lethal Concentration 50% test organisms); LD50 (Lethal Dose 50% test organisms); LVPVOC (Low Vapor Pressure Volatile Organic Compound); MSDS (Material Safety Data Sheet); MSHA (Mine Safety & Health Administration); NIOSH (National Institute of Occupational Safety & Health); NTP (National Toxicology Program); NOS (Not Otherwise Specified); OSHA (Occupational Safety & Health Administration); PEL (Permissible Exposure Limit); Prop 65 (California Proposition 65); PMCC (Pensky Martin Closed Cup); RCRA (Resource Conservation & Recovery Act); RTK (Right-To-Know); R-Phrases (EU Risk Phrases); S-Phrases (EU Safety Phrases); SARA (Superfund Amendments & Reauthorization Act); TDG (Transport Dangerous Goods); TSCA (Toxic Substances Control Act); TSL (Toxic Substance List); TLV (Threshold Limit Value); VOC (Volatile Organic Compounds); WHMIS (Workplace Hazardous Materials Information System-Canada); IrL50 (Inhibitory loading rate required to reduce algal growth rate by 50%); Ibl50 (Inhibitory loading rate required to reduce area under growth curve or biomass by 50%); ppm (parts per million); mg/m <sup>3</sup> (milligrams per cubic meter); N (no); Y (yes)		
<b>Revision Information:</b>	Complete review of entire document. Changes possible in all sections.		
<b>Prepared By:</b>	Donald McMahon	<b>Title:</b>	President
<b>Approval Date:</b>	January 14, 2009	<b>Supersedes Date:</b>	March 20, 2008

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