

## KLEEN KOTE™ SDS

EFFECTIVE DATE: SEPTEMBER 1, 2014

### Safety Data Sheet

According to 91/155/ECC and OSHA Hazard Communication Std. 29CFR1910.1200 (g), 2008-GHS-Revision (EC) no. 1272/2008

#### SECTION 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: KLEEN KOTE™  
*The information provided in this SDS is for Kleen Kote Concentrate (amber colored liquid) unless otherwise noted. This product is intended to be mixed with water prior to use.*

Company: Progressive Solutions Corporation  
2848 Corporate Parkway  
Algonquin, IL 60102  
Phone: 847.639.7272  
USA: 800.801.7832  
Fax: 847.639.7274  
Email: support@4progressive.com

24HR Emergency, Poison Control Center (IN USA): 800.222.1222

#### SECTION 2. HAZARDS IDENTIFICATION

SIGNAL WORD: WARNING



#### **Hazard Statements:**

H302: Harmful if swallowed.  
H332: Harmful if inhaled.

#### **Precautionary Statements:**

P202: Do not handle until all safety precautions have been read and understood.  
P233: Keep container tightly closed.  
P261: Avoid breathing dust/fume/mist/vapors/spray/aerosol.  
P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink, or smoke when using this product.  
P280: Wear protective gloves/protective clothing/eye protection.  
P281: Use personal protective equipment as required.

#### **Hazard Rating**

	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	
NFPA Code:	1	1	0	
0=Least	1=Slight	2=Moderate	3=High	4=Extreme

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- Inhalation: H335 May cause respiratory irritation.  
Not expected to be a relevant route of exposure. However, high vapor mist concentrations may be irritating to respiratory passages. Target organ for mineral oil mist is lung. Prolonged exposure may result in dizziness and nausea.
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- Eye: H320 May cause eye irritation.  
Eye contact may result in slight irritation, experienced as mild discomfort and seen as slight excess redness of the eyes.
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- Skin: H316 Causes mild skin irritation.  
Short term contact with skin is unlikely to cause any problems; excessive or prolonged and repeated contact and poor hygiene conditions may result in dryness, dermatitis, erythema, oil acne, crack and defatting of the skin.
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- Ingestion: H303 May be harmful if swallowed.  
May result in nausea or stomach discomfort.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

The precise composition of this mixture is proprietary information. A complete disclosure will be provided to a physician or nurse in the event of a medical emergency.

Component	CAS#	TLV/TWA
=====	====	=====
<95% Mineral oil blend concentrate	64742-52-5	OSHA: 5 mg/m3 (oil mist)
<5% Sodium Sulfonate	68608-26-4	OSHA: NONE
<2% Diethylene glycol	111-46-6	OSHA: NONE

*The above information is for KLEEN KOTE Concentrate. The product is not formulated for use in a concentrated form and must be diluted with water. At the strongest recommended mix ratio of 4 parts water to 1 part KLEEN KOTE the mix is 80% water.*

**SECTION 4. FIRST-AID MEASURES**

- Eye Contact: P305/P351/P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337/P313: If eye irritation persists: Get medical advice/attention.
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- Skin Contact: P350: Gently wash with plenty of soap and water.  
P303/P361/P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P332/P313: If skin irritation occurs: Get medical advice/attention. Do not reuse clothing or shoes until thoroughly cleaned.
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- Inhalation: P304/P341: IF INHALED: If breathing is difficult, remove subject to fresh air and keep at rest in a position comfortable for breathing.  
P309/P313: If exposed or you feel unwell, get medical advice/attention.
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- Ingestion: P301/P331/P330: IF SWALLOWED: Do NOT induce vomiting. Rinse mouth.  
P315: Get immediate medical advice/attention.

**SECTION 5. FIRE FIGHTING MEASURES**

- Extinguishing Media: Halon, CO2, Dry Chemical, Foam, Water Spray or Water Fog. Water may be used to cool below flash point.
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- Flash Point: >325 °F (163 °C)
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- Flash Point Method: COC
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- Auto Ignition Temperature: >600 °F (>315 °C)
- Flammability Classification: OSHA Class III-B Combustible Liquid
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- Unusual Fire or Explosion Hazards: Do not use forced stream as this could cause fire to spread.
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- NFPA Rating: Health – 1 Flammability – 1 Reactivity – 0

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Combustion Products:	Fumes, smoke and carbon monoxide
Fire Fighting Instructions And Equipment:	Water may cause splattering. Use water to cool containers exposed to fire and to protect personnel. Fire fighters should wear proper protective equipment and clothing including respiratory protection (positive pressure if available).

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

Spill / Leak Procedures:	Spill area will be slick. Stop spill at source if possible. Eliminate sources of ignition. Prevent entry into sewers and waterways. Contain spill. Ventilate area if spilled in a confined space or other poorly ventilated areas. Residual liquid can be absorbed by inert material. Recover all possible material for reclamation. Dispose of in accordance with all Federal, State and Local environmental regulations.
Spill to Navigable Waters:	If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center at (USA) 800.424.8802.

**SECTION 7. HANDLING AND STORAGE**

Work/Hygienic Practices:	Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Do not use gasoline, solvents, kerosene or other harsh or abrasive skin cleaners for washing exposed skin areas. Take a shower after use if general contact occurs. Wash thoroughly after handling. Launder articles before reuse and discard saturated articles that cannot be cleaned thoroughly.
General Handling Procedures:	Wear water/oil resistant gloves and protective clothing. (Nitrile or Neoprene). Wear chemical goggles with side shields. Keep containers closed when not in use. Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near containers. Empty containers contain product residue which may exhibit hazards of the product. Maximum handling temperature has not been determined.
Storage Procedures:	Do NOT store near potential sources of ignition. Rotate stock. Store in clean, dry containers at ambient temperatures and it should remain stable unless it is contaminated. Do NOT store at temperatures great than 120°F (49°C). Maximum storage temperature has not been determined. NFPA Class III-B storage.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Ventilation Procedures:	Use with adequate ventilation to control vapor concentrations.
Skin Protection:	As needed to prevent repeated skin contact. Oil-resistant gloves should be used if needed. Wash hands thoroughly after handling. Long sleeve shirt is recommended. Use chemically protective boots when necessary to avoid contaminating shoes. Do NOT wear rings, watches or similar apparel that could entrap the material and cause skin irritation.
Eye Protection:	Wear safety glasses with side shields or full face shield as needed.
Respiratory Protection:	Not normally needed. Use NIOSH/MSHA approved respirator with a dust mist cartridge if the recommended exposure limit is exceeded.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Amber viscous liquid at room temperature
Upper/lower flammability or explosive limits:	None Known
Odor:	Mild
Vapor pressure:	Not Determined
Odor threshold:	Not Determined

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Vapor density (Air=1):	>5
pH:	Not Determined
Relative density:	Not Determined
Melting point/freezing point:	Not Determined
Solubility in water:	Dispersible
Initial boiling point and boiling range:	Not Determined
Flash point:	>325°F (>163°C); Cleveland Open Cup (Min.)
Evaporation rate:	Not Determined
Flammability (solid, gas):	Not Determined
Partition coefficient: n-octanol/water:	Not Determined
Auto-ignition temperature:	Not Determined
Decomposition temperature:	Not Determined
Viscosity:	100 SUS @ 100°F (19cST @ 40°C)
% Volatile:	NIL (LUP-VOC)

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity:	Hazardous polymerization will not occur. Avoid contact with strong acids, strong alkalis and strong oxidizing agents.
Stability:	Product as supplied is stable. Avoid sources of ignition.
Hazardous Decomposition Products:	Smoke, carbon monoxide, aldehydes and other products of incomplete combustion.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Eye Effects:	Minimal irritation possible on contact. Does not meet Canadian D2B or EU R36 criteria. Based on data from components or similar materials.
Skin Effects:	Not expected to be a primary skin irritant. Not expected to meet EU R38 criteria. Based on data from components or similar materials. Prolonged or repeated contact, as from wet clothing, may cause drying, defatting of skin and dermatitis.
Respiration Irritation:	If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials.
Dermal Sensitization:	NO data available to indicate product or components may be a skin sensitizer.
Inhalation Sensitization:	NO data available to indicate product or components may be a respiratory sensitizer.
Exposure Limits:	Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5mg per cubic meter, ACGIH STEL of 10mg per cubic meter.
Chronic Toxicity:	No data available to indicate product or components present at greater than 1% are chronic health hazards.
Dermal Toxicity:	Rabbit: LD50>2000mg/kg. Based on data from components or similar materials.
Inhalation Toxicity:	Not expected to be a toxic inhalation hazard. Based on data from components or similar materials.
Oral Toxicity:	Rat: LD 50>5000mg/kg. Based on data from components or similar materials.
Reproductive Toxicity:	No data available to indicate either product or components present at greater than 0.1% may cause reproductive toxicity.
Carcinogenicity:	This material is formulated with mineral oils which are considered to be severely refined and are not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.

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Mutagenicity: No data available to indicate either product or components present at greater than 0.1% are mutagenic or genotoxic.

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Teratogenicity: No data available to indicate either product or components present at great than 0.1% may cause birth defects.

**SECTION 12. ECOLOGICAL INFORMATION**

Freshwater Fish Toxicity: Not Determined

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Saltwater Fish Toxicity: Not Determined

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Miscellaneous Toxicity: Not Determined

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Algal Inhibition: Not Determined

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Bacteria Toxicity: Not Determined

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Biodegradation: Not Determined

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Soil Mobility: Not Determined

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Bioaccumulation: 0.1-1% of the components display no potential to bioconcentrate

Freshwater 96 hr. acute static toxicity for Pimephales pomelas (Fathead minnow)

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Invertebrates Toxicity: LC50 mortality is greater than 30,000 mg/L

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Ecotoxicity: Available data indicated this product is not acutely toxic.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Product: As a chemical which is not hazardous waste under RCRA Regulation 40 CFR 261 if not contaminated. Follow Federal, State and Local regulations regarding chemical wastes. Do not flush to drain or storm sewer. Contact authorized disposal service.

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Packaging, Empty: Unclean containers should be recycled or disposed of. Receiver of container should be informed about the potential hazards as described in this Safety Data Sheet.

**SECTION 14. TRANSPORT INFORMATION**

U.S. Shipping Information: **REGULATION BY: D.O.T.:** Non-Hazardous. Not regulated by DOT  
**SHIPPING CLASS:** 55  
**N.M.F.C.#:** 48580 – Sub 3 – Cleaning, Scouring or Washing Compounds, N.O.I., Liquid  
**SCHEDULE B#:** 3403.19.0000

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Canadian Shipping Information: Not regulated under Transportation of Dangerous Goods Act.

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Other: **NOT REGULATED:** ICAO/IATA, IMDG (ambient), U.S. Dot Bulk (ambient), U.S. Dot Non-Bulk, TDG Bulk (ambient, TDG Non-Bulk, Mexico, ADR/RID (ambient), ADG (ambient)  
**NOT DETERMINED:** IMDG (elevated), IMO Marine Bulk, USXCG Compatibility, U.S. Dot Bulk (elevated), TDG Bulk (elevated), ADR/RID (elevated), ADG (elevated) **NOT APPLICABLE:** IMDG EMS, IMDG MFAG

**SECTION 15. REGULATORY INFORMATION**

TSCA Inventory Status: The components of this product are listed, or are exempt from TSCA Chemical Substances Inventory. National, State and Local regulations pertaining to prevention of water pollution must be adhered to.

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SARA Title III Sec. 302/304 Extremely Hazardous Substances: This product does not contain substances under section 302/304

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SARA Title III Sec. 313 Hazardous Catagorization: Acute\_      Chronic\_      Fire\_      Pressure\_      Reactive\_

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SARA Title III Sec. 313:	This product does not contain greater than 1% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under Section 313.
TDG Regulated Limits:	None Known
CERCLA 102(a)/DOT Hazardous Substances:	This product does not contain any chemicals listed under CERCLA 102.
CERCLA/DOT Hazardous Substances:	None.
V.O.C. Compliant:	Yes
Australia:	All components are in compliance with chemical notification requirements in Australia.
Canada:	All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.
China:	All components of this product are listed on the Inventory of Existing Chemical Substances in China.
EU EINECS:	All components are in compliance with the EC Seventh amendment Directive 92/32/EEC. No known R-Phrases or S-Phrases.
Japan:	All components are in compliance with the Chemical Substances Control Law of Japan.
Korea:	All components are in compliance in Korea.
Philippines:	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
Switzerland:	All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
California Proposition 65:	This product is not known to contain any chemicals known to the State of California to cause cancer or birth defects. However, we DO NOT conduct routine analysis for all listed materials.
Florida:	None Present
Illinois DOL TSL:	None Present
Massachusetts RTK:	None Present
Minnesota RTK:	None Present
New Jersey RTK:	List petroleum oil, but this product does not contain hazardous ingredients.
Pennsylvania RTK:	List petroleum oil, but this product does not contain hazardous ingredients greater than 3%.

**SECTION 16. OTHER INFORMATION**

Abbreviations:

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); SDS (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/m3 (milligrams per cubic meter); N (no); Y (yes)

Revision Information:	Review, update and reformat all sections for compliance with new OSHA SDS requirements.		
Prepare By:	Donald McMahon	Title:	COO
Approval Date:	September 1, 2014	Supersedes Date:	January 1, 2012

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