

MATERIAL SAFETY DATA SHEET

Manufacturer: Schaeffer Mfg. Company		Emergency Response Number:				
Address: 102 Barton Street		314-865-4105 (24 hour emergency number) or				
Address: St. Louis, MO 63104		800-325-9962				
SECTION 1 – PRODUCT INFORMATION						
Chemical Family: Detergents		Trade Name: 611 Machine Kleen™				
Formula: Proprietary Mixture						
SECTION 2 – HAZARDOUS INGREDIENTS						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	CAS Number	%	Exposure Limits			
			TVL		PEL	
			ppm	Mg/m ³	ppm	Mg/m ³
Potassium Hydroxide	1310-58-3	5-10		2		2
Sodium Hydroxide	1310-73-2	5-10		2		2
Phosphoric Acid	10101-89-0	0.1-5		1 (TWA)		3 (STEL)
Section 3 – PHYSICAL DATA						
Boiling Point:	200° - 300°F/38°-149°C		Specific Gravity:	1.11 ± .02		
Vapor Pressure (mm, Hg):	Not determined		% Volatile:	Nil		
Vapor Density (Air = 1):	Not determined		Evaporation Rate: (=1)	Not Established		
Solubility in Water:	Soluble		pH (5% solution)	12.7 ± 0.4		
Appearance and Odor: Clear color, mild odor.						
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA						
Flash Point (Method) °F/°C: None – Aqueous solution		Flammability Limits UEL & LEL ----Non-volatile material				
Extinguishing Media: After water evaporates, residues can burn. Carbon dioxide foam, dry chemical foam, sand, earth, waterspray						
Special Fire Fighting Procedures: For fires involving this material, do not enter any enclosed or confined space without protective equipment including self-contained breathing apparatus.						
Unusual Fire & Explosion Hazards: None expected.						
SECTION 5 - REACTIVITY HAZARD DATA						
STABILITY	☒ STABLE	☐ UNSTABLE	Hazardous Decomposition ☐ WILL ☒ WILL NOT OCCUR			
Conditions to Avoid: None						
Incompatibility (Mat. to avoid): Strong acids and strong oxidizers						
Hazardous Decomposition Products: Not determined						
Conditions to Avoid: None Use as directed.						
SECTION 6 - HEALTH HAZARD DATA						
Threshold Limit Value and Sources: 15 mg/m ³ for any airborne particulate OSHA						
Acute Effects of Overexposure:						
Ingestion:	May cause irritation to the mouth, throat or stomach. May cause nausea, diarrhea or vomiting.					
Eye Contact:	Severe irritation and redness to eyes					
Skin Contact:	Concentrated product may cause skin to be irritated. Prolonged exposure of this material may cause moderate skin irritation. May cause drying and defatting of the skin. Skin irritation can also occur when the diluted product becomes contaminated with certain dissolved oils, dissolved metals or when the diluted mix ratios are too strong.					
Inhalation:	Concentration will not produce vapors unless heated to temperatures of 300°F or above. Inhalation of the diluted mix can occur in applications where high mist levels are generated. Extended exposure to mists may cause upper respiratory irritation.					
CHRONIC EFFECTS OF OVEREXPOSURE: None expected.						
Emergency and First Aid Procedures:						
Swallowing:	Do not induce vomiting. Do not administer anything by mouth to an unconscious person. If conscious offer water to Drink. Seek medical attention immediately.					
Skin:	Wash skin thoroughly with soap and water. Remove and launder contaminated clothing. Before reuse. Seek medical Attention if a skin irritation develops.					
Inhalation:	If symptoms should develop remove to fresh air. Seek medical attention immediately if breathing becomes difficult or Symptoms develop.					
Eyes:	Immediately flush eyes with clear, cool, clean water for 15 minutes. Seek medical attention immediately					
SECTION 7 – SPILL OR LEAK PROCEDURES						
Environmental Impact: This material is not expected to be harmful to aquatic life. Ecological damage is not expected under normal use.						
Procedures To Be Taken If Material Is Released or Spilled: Absorb spills with absorbent clay or other suitable. Collect used absorbent material and discard in accordance with all applicable Federal, State and Local laws and regulations. Ensure that any residue from the spill is properly cleaned up and discarded in according to regulations as well..						
Waste Disposal Method: Dispose of in accordance with all applicable federal, state and local laws and regulations. In its neat form this product is not expected to be a RCRA Hazardous Waste. Do not re-use empty containers.						
SECTION 8 – SPECIAL PROTECTION INFORMATION						
Respiratory Protection:	In an application containing time weighted exposures (0.5 to 5 mg/m ³) NIOSH recommends that inhalation can be reduced through improved ventilation or a mist collection process					
Ventilation:	In general normal shop ventilation is adequate. In certain instances when high mist levels occur or when machines are placed close together splash guards and/or mist collectors are recommended to avoid the possibility of respiratory irritation.					
Eye Protection:	Goggles face shield or plant safety glasses with side shields.					
Protective Clothing:	Oil impervious garment if there is the possibility of excessive skin contact. Latex or nitrile gloves					

SECTION 9 – SPECIAL PRECAUTIONS	
Precautions To Be Taken In Handling and Storage: Do not store near strong oxidizers or at elevated temperatures. If product is frozen that stability of the product can be compromised. Keep containers closed when not in use. Do not get this product in the eyes.	
Special Comments: Remove oil soaked clothing, launder before reuse. Avoid all contact of the product with eyes and skin. Wash thoroughly after handling or before eating and using toilet facilities.	
SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA	
HMIS and NFPA Ratings	
Health = 2 Fire=0 Reactivity = 1 Personal Protection = C	
This product does not contain any of the chemicals listed on the National Toxicology Program Annual Reports on Carcinogens, The International Agency for Cancer Research Monographs and OSHA's 1910.10 Subpart Z List.	
SARA Title III Information:	
This product does not contains 5-10% Potassium Hydroxide CAS #1310-58-3, 5-10% Sodium Hydroxide CAS #1310-73-2 and 0.1 – 5% of Phosphoric Acid CAS #7664-38-2 which are found on the EPA's SARA Title III Section 313 List.	
This product does not contain any of the chemicals which are considered by the State of California to be a reproductive toxins or cancer causing agents.	

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