

MATERIAL SAFETY DATA SHEET

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SECTION I				
Product Identity (Name / Number)		MULTI-CLEAN Multipurpose Cleaner / 9650 (9650E, 9650EG & other versions of 9650)		
Chemical Family		Alkaline Cleaner		
SECTION II - Hazardous Ingredients				
Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Ethylene glycol monobutyl ether	50 ppm	25 ppm		Proprietary
Diethanolamine	3 ppm	15 mg/m ³		Proprietary
SECTION III - Physical & Chemical Characteristics				
Boiling Point	Above 212 °F	Specific Gravity	1	
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A	
pH	10	Evaporation Rate (Ethyl Ether=1)	Less than 1	
Solubility in Water	Complete	Appearance / Odor	Clear liquid in various colors / Mild solvent or scented	
SECTION IV - Fire & Explosion Hazard Data				
Flammable Limits (Explosive Limit)		Upper:	N/A	Lower: N/A
Flash Point (Method Used)		N/A		
Extinguishing Media		Material is non-flammable. Water spray, foam, carbon dioxide, or dry chemical may be used for surrounding fires.		
Special Fire Fighting Procedures		Product is not flammable. Wear full protective clothing.		
Unusual Fire and Explosion Hazards		Avoid contact with aluminum, zinc, tin and their alloys since product reacts with these metals generating hydrogen gas which is flammable and/or explosive when ignited. Do not mix with strong acids to prevent violent or explosive reaction.		
SECTION V - Reactivity Data				
Stability:	Unstable		X	Stable
Hazardous Polymerization:	X	Will Not Occur	May Occur	
Conditions To Avoid		Excessive heat		
Incompatibility (Materials to Avoid)		Strong acids; also see Section IV.		
Hazardous Decomposition or Byproducts		Thermal decomposition may form carbon monoxide and carbon dioxide.		

SECTION VI(a) - Health Hazard Data

Inhalation	Irritating to mucous membranes. Breathing mists may cause damage to nasal and respiratory passages.
Eye	Even slight contact of the liquid with eyes will result in irritation and severe burns.
Skin	Product is irritating. Burning sensation may be delayed. Treat immediately.
Ingestion	Swallowing small amounts is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Reported As Potential Carcinogen or Carcinogen

	International Agency for Research on Cancer	X	Not Applicable
	National Toxicology Program		OSHA

SECTION VI(b) - First Aid Procedures

Inhalation	Remove victim to fresh air. If breathing is difficult, administer oxygen. If not breathing, perform artificial respiration. Get medical attention.
Eye	Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids open. Get medical attention.
Skin	Wash thoroughly with water for at least 15 minutes. Remove contaminated clothing. Get medical attention.
Ingestion	Do NOT induce vomiting. If conscious and alert, give large quantities of water. Follow by administering milk. Get medical attention.

SECTION VI(c) - Employee Protection

Respiratory Protection (Utilize NIOSH approved respirators. Refer to manufacturer's protection factors and OSHA standard 1910.134 as a guideline.) If TLV of hazardous ingredient is exceeded, use NIOSH approved respirator, fully enclosed.

SPECIAL PROTECTION INFORMATION:

EYE	Chemical safety goggles or full face shield required if eye contact is possible.
SKIN	Chemical resistant gloves required, natural and butyl rubber gloves suggested
VENTILATION	Provide sufficient mechanical ventilation to maintain exposure below TLV's.
SPECIAL PROTECTION	Impervious clothing and boots may be worn to prevent skin contact. Showers and eyewash facilities should be in close proximity.

SECTION VII - Special Precautions

Handling and Storage	Store in dry, cool area. Do not store in metal containers. Excessive heat may cause pressure build-up. Avoid contact with organic halogen compounds and nitro compounds. Do not store with strong acids.
Other Precautions	Not applicable

SECTION VIII - Environmental Protection

Spills / Releases	Trained personnel wearing protective equipment should contain spill. Neutralize with dilute acid. Scoop up and wash site. Notify authorities for spills of 100 gallons or more.
Waste Disposal Method	In accordance with applicable local, state and federal regulations.

DISCLAIMER

The information contained herein is based upon data available to us and reflects our best professional judgment. Since it is impossible to anticipate the conditions under which our products may be used, we cannot guarantee that the recommendations will be adequate for all individuals and situations. Each user of this product should determine the suitability of the product for his particular purpose and should comply with all federal, state and local regulations. Our goal is to manufacture products with zero or minimal hazards. Our products are improved daily as up-to-date information and research is received from our suppliers to use products with less or no hazards. Please feel free to contact us for current information.