Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard.
29CFR 1910. Standard must be consulted for specific requirements.

WATLUBE
QUICK IDENTIFIER

SECTION 1

Manufacturer's Name	WATLOW ELECTRIC MANUFACTURING COMPANY		
Address	12001 LACKLAND ROAD	**Emergency Telephone No.**	(314) 878-4600
City, State, and Zip	ST. LOUIS, MISSOURI 63146	**Other Info. Calls**	(314) 878-4600
Signature of Person Responsible for Preparation (Optional)		**Date Prepared**	December 1, 2006

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (Chemical & Common Name(s))	OSHA PEL	ACGIG TLV	Other Exposure Limits	% (Optional)	CAS NO.
***HYDRATED ALUMINUM OXIDE**	1 Omg/M^3	1 Omg/M^3	N/A	10-15%	1344-28-1

ONLY THOSE MATERIALS LISTED ABOVE HAVE BEEN DETERMINED TO BE HAZARDOUS AS DEFINED IN 29 CFR 1910.1200. AN INGREDIENT MARKED WITH AN ASTERISK (*) IS ALSO LISTED IN 29CFR 1910.1200 (D) #4, AS KNOWN OR SUSPECTED CARCINOGEN. THE FOLLOWING MATERIALS HAVE BEEN DETERMINED TO BE NON-HAZARDOUS.

ANTI-BACTERIAL - AGENT	<1%
METHYLCELLULOSE	<1%
WATER	85-90%

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	212°	**Specific Gravity (H_20 = 1)**	1	**Vapor Pressure (mm Hg)**	**N/A**
Vapor Density (Air = 1)	N/A				
Solubility in Water	Soluble	**Reactivity in Water**	None		
Appearance and Odor	Slightly Viscous White Colloidal Solution Odorless	**Melting Point**	N/A		

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	**N**/A	**Method Used**	N/A	**Flammable Limits in Air % by Volume**	**LEL Lower**	N/A	**UEL Upper** N/A
Auto-Ignition Temperature	None			**Extinguisher Media**	N/A		
Special Fire Fighting Procedures	None						
				NFPA Health = 1 Reactivity = 0 Fire = 0			
Unusual Fire and Explosion Hazards	None						

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability	Unstable ☐	**Conditions to Avoid**	None
	Stable ☒		
Incompatibility (Materials to Avoid)		N/A	
Hazardous Decomposition Products		POSSIBLE TRACE AMOUNTS OF PHOSGENE & HYDROGEN CHLORIDE IF HEATED ABOVE 200°.	
Hazardous Polymerization	**May Occur** ☐ / **Will not Occur** ☒	**Conditions to avoid**	NONE KNOWN

SECTION 6 - HEALTH HAZARDS

1. Acute	NO ACUTE AFFECTS KNOWN
2. Chronic	DRY POWDER SUSPECTED CARCINOGEN
Signs and Symptoms of exposure	EYE CONTACT MAY RESULT IN IRRITATION, INGESTION MAY RESULT IN NAUSEA
Medical Conditions Generally Aggravated by Exposure	NO KNOWN MEDICAL CONDITIONS ARE AGGRAVATED BY EXPOSURE TO SOLUTION

Chemical Listed as Carcinogen or Potential Carcinogen	HYDRATED ALUMINUM OXIDE	**National Toxicology Program**	**Yes** ☐ **No** ☒	**I.A.R.C Monographs**	**Yes** ☐ **No** ☒	**OSHA**	**Yes** ☐ **No** ☒

Emergency and First Aid Procedures EYES SHOULD BE PROPERLY FLUSHED WITH WATER. PHYSICIAN SHOULD BE CONTACTED SHOULD IRRITATION PERSIST. PHYSICIAN SHOULD ALSO BE CONTACTED IN CASE OF NAUSEA.

ROUTES OF ENTRY

1. **Inhalation**
   NO KNOWN HARMFUL EFFECTS FROM SOLUTION. DRIED MATERIAL CAN BE INHALED CAUSING SILICONOSIS
2. **Eyes**
   POSSIBLE IRRITATION
3. **Skin**
   NON-IRRITANT, NON-SENSITIZING SOLUTION
4. **Ingestion**
   POSSIBLE NAUSEA

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

in Handling and Storage Precautions to be Taken	STORE IN COOL, DRY PLACE AT TEMPERATURES BELOW 100°F.
Other Precautions	ASSURE CAP IS PROPERLY SECURED AFTER OPENING BOTTLE.
Steps to be Taken in Case Material is Released or Spilled	CLEAN SPILL WITH WET RAGS. DO NOT ALLOW MATERIAL TO DRY IN PLACE.
Waste Disposal Methods (Consult federal,state,and local regulations)	DISPOSE OF AS PER LOCAL, STATE, AND FEDERAL REGULATIONS.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type)	NOT REQUIRED FOR SOLUTION								
Ventilation	NONE	**Local Exhaust**	NONE	**Mechanical (General)**	NONE	**Special**	NONE	**Other**	NONE
Protective Gloves	NOT REQUIRED								
Other Protective Clothing or Equipment	NOT REQUIRED								
Work/Hygienic Practices	NORMAL HYGIENE PRACTICE								