



MATERIAL SAFETY DATA SHEET

UNIVERSEAL GROUT SEALER AEROSOL (SOLVENT BASED)

Section I - Product Identity

Product Name	Universeal Grout Sealer (Aerosol)
Chemical Family	Acetone Base Sealer
Emergency Infotrac Number	352-323-3500
Date Prepared	May 1, 2008
Prepared By	Universeal Products Agencies Ltd.

Section II - Hazardous Components/Composition Information

CHEMICAL NAME	CAS #	WEIGHT (%)	OSHA PEL TWA	ACGIH PEL TWA	NOTES
Aliphatic Hydrocarbons	64742-48-9	25-35 %	500 ppm	100 ppm	
Acetone	67-64-1	60-70 %	1000 ppm	500 ppm	
n-Butane	106-97-8	9-15 %	800 ppm	800 ppm	
Propane	74-98-6	9-15 %			
n-Butyl Acetate	123-86-4	<5 %	150 ppm	150 ppm	
Proprietary Polymer	Trade Secret	3-7 %	Not established	Not established	This substance is on the TSCA inventory list

Section III - Physical and Chemical Properties

Boiling Point	133 °F	Vapor Pressure	
Vapor Density	Heavier than air	Specific Gravity	0.7
Weight per Gallon	6.58 pounds/gallon w/o propellant	pH	n/a
Freezing Point	n/a	Evaporation Rate (BuAc=1)	<1
Percent Volatile	>98 %	VOCs	371g/L
Appearance and Odor	Clear, colorless liquid with a solvent odor		
Solubility in Water	Insoluble		

Section IV - Firefighting Measures

Flash Point (Method Used)	<70°F estimated (Tag Closed Cup)			
Autoignition Temperature	Not established			
Explosive Limits	Lower	0%	Upper	6.1%
Extinguishing Media	Alcohol foam, CO ₂ , Dry Chemical, Water Fog			
Special Firefighting Procedures	Water spray may be ineffective, but water spray must be used to cool containers exposed to heat or fire to prevent pressure build-up.			
Unusual Fire and Explosion Hazard	Closed containers may explode due to the pressure build-up from extreme heat or fire. Aerosol spray is extremely flammable.			
Combustion Products	Carbon dioxide, carbon monoxide, trace amounts of hydrogen fluoride.			
Firefighting Equipment	Self-contained breathing apparatus should be used if product is involved in fire.			

Hazard Ratings

NFPA Rating (based on Standard 704)	(4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant)
Health	1
Flammability	3
Reactivity	0

Section V - Stability & Reactivity

Stability	Stable	XX	Unstable	
Incompatibilities	Avoid contact with strong oxidizers.			
Conditions to Avoid	Heat, sparks and flame.			
Hazardous Decomposition	Will Not Occur			
Hazardous Polymerization	Will Not Occur			

Section VI - Health Hazard Data

Signs and Symptoms of Exposure						
Eye Contact	Non-irritating to practically non-irritating.					
Skin Contact	Slight to moderate irritation. Prolonged or repeated exposure can result in defatting and drying of the skin which may result in skin irritation and dermatitis.					
Ingestion	May result in vomiting.					
Inhalation	High vapor concentrations may result in Central Nervous System (CNS) depression. Aspiration into lungs must be avoided as even small quantities may result in aspiration pneumonitis.					
Carcinogenicity	NTP?	No	IARC Monograph?	No	OSHA Regulated?	No
Emergency First Aid Procedures						
Eyes	Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open.					
Skin	Remove clothing and shoes and wipe excess from skin. Flush skin with water. Follow by washing skin with soap and water. Do not reuse clothes until cleaned.					
Ingestion	DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.					
Inhalation	Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by a qualified person.					
GET MEDICAL ATTENTION AS NECESSARY.						

Section VII - Precautions for Safe Handling and Storage

Storage Requirements	Do not store above 120°F (49°C). Do not store or use near heat, sparks or flame.
KEEP OUT OF REACH OF CHILDREN.	

Section VIII - Special Precautions

Small Spill	Remove all sources of ignition - flames, sparks, static electricity and electrical. Ventilate area.
Large Spill	Remove all sources of ignition - flames, sparks, static electricity and electrical. Ventilate area. Avoid material running into sewers or streams by diking, and soak up with inert absorbent using non-sparking tools.
Toxological Information	Laboratory studies have shown that petroleum distillates may cause kidney, liver or lung damage. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.
Ecological Information	Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.
Disposal Considerations	Dispose of unused or empty containers in accordance with local, state and federal regulations. Empty containers may still contain product residues.

Section IX - Exposure Controls / Personal Protection

Engineering Controls	Recommend an approved mechanical particulate filter to remove any airborne overspray. In restricted areas with poor ventilation, use a NIOSH-approved Organic Cartridge Respirator. For concentrations above the PEL, use a positive air-supplied respirator.
Eye Protection	Use chemical safety goggles and/or a full face shield where splashing is possible. Contact lenses should not be worn.
Skin Protection	Test data indicates the best protection is provided by neoprene, nitrile and natural rubber gloves.
Ventilation	ALL APPLICATION AREAS SHOULD BE ADEQUATELY VENTILATED IN ORDER TO KEEP THE ITEMS IN SECTION 2 BELOW THEIR EXPOSURE LIMITS.
Respiration	In restricted areas with poor ventilation, use a NIOSH-approved Organic Cartridge Respirator.

Section X - Regulatory Information

OSHA Compliance	This MSDS prepared in accordance with 29CFR 1910.1200 and ANSI Z400.1 standard.
TSCA	Although components of this product find listing under the Toxic Substances Act (TSCA), this blended product requires no import or export declaration.
SARA Title III	This material is classified as an immediate (acute) health hazard, delayed (chronic) health hazard and fire hazard.
CERCLA State and Local Planning	Not required.

Section XI Transportation Information

Department of Transportation (DOT) Requirements	
Proper Shipping Name	Consumer Commodity
Hazard Class	ORM-D
Subsidiary Hazard Class	None

IATA			
Proper Shipping Name	Aerosols, Flammable		
Hazard Class	2.1		
UN Number	UN1950	Packaging Exceptions	LTD. QTY.
Labels Required	2.1		

IMDG			
Proper Shipping Name	Aerosols		
Hazard Class	2.1		
UN Number	UN1950	Packaging Exceptions	LTD. QTY.
Labels Required	None		
Transport Category	2		



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