

Material Safety Data Sheet

0488 Tile Grout Sealer - Aerosol Spray - Solvent Based

MSDS No. 0028 Rev 1

Emergency Phone No.
(918)825-5744

SECTION 1 – PRODUCT NAME & MANUFACTURER INFORMATION

PRODUCT NAME	Tile Grout Sealer – Aerosol Spray		
MANUFACTURER'S NAME & TELEPHONE NUMBER	Red Devil, Inc.	(918)825-5744	
STREET ADDRESS	4175 Webb Street		
CITY / STATE / ZIP	Pryor, OK 74361		

SECTION 2 – COMPOSITION / HAZARDOUS INGREDIENTS

	%	TLV	PEL	UNITS
Butane (as propellant) (106-97-8)	15 to 18	800****	800***	ppm
Propane (74-98-6)	5 to 7	1000****	Asphyxiant	ppm
Petroleum Distillate (64742-48-9)	15 to 20	200****	200***	ppm
Acetone (67-64-1)	40 to 45	750****	750***	ppm
n-Butyl Acetate (123-86-4)	1 to 3	150****	150***	ppm
Benzene, 1-Chloro-4 (Trifluoromethyl) (98-56-6)	1 to 3	NE	NE	
Non-hazardous ingredients*	1 to 5	NA	NA	

*Unlisted ingredients are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). **Inhalation of particles unlikely, due to products physical state. ***ACGIH PEL TWA. **** OSHA PEL TWA. Calculated VOC: < 375 grams/Liter (Current Limit: 400 g/L). CARB Compliance: Yes. Prop 65 Ingredients: None. (See Section 16).

SECTION 3 – HAZARDS IDENTIFICATION

PRIMARY ROUTE(S) OF ENTRY	<input checked="" type="checkbox"/> Skin Contact	<input type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> Eye Contact	<input checked="" type="checkbox"/> Inhalation	<input type="checkbox"/> Ingestion
EMERGENCY OVERVIEW	Clear, aerosol grout sealer may be irritating to eyes, skin & respiratory tract. Extremely flammable liquid & vapor. Harmful if swallowed or inhaled. Affects Central Nervous System (CNS).				
EFFECTS OF OVEREXPOSURE	<u>Skin</u> : Slight to moderate irritation; prolonged or repeated exposure can result in defatting & drying of the skin, which may result in irritation & dermatitis. <u>Ingestion</u> : May result in vomiting. <u>Inhalation</u> : High vapor concentrations may result in Central Nervous System (CNS) depression. Aspiration into lungs must be avoided, as even small quantities can result in aspiration pneumonitis.				
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	Use of alcoholic beverages enhances toxic effects. Exposure may increase the toxic potential of chlorinated hydrocarbons such as chloroform, trichloroethane. (Acetone)				

SECTION 4 – FIRST AID MEASURES

SKIN CONTACT	Flush w/ water for 15 minutes. Wash skin w/ soap & water. Seek medical attention if irritation develops or persists.
EYE CONTACT	Rinse eyes w/ water for 15 minutes. Lifting upper & lower eyelids occasionally. Seek medical attention.
INHALATION	Move victim to fresh air. Seek medical attention.
INGESTION	Do not induce vomiting unless directed by medical personnel. Seek medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE Yes No

EXTINGUISHING MEDIA Water spray, carbon dioxide, dry chemical

FLASHPOINT (°F) & METHOD < 0 F (Propellant) (Closed Cup)	UPPER EXPLOSIVE LIMIT (% BY VOLUME) Approximately 9.0 (Butane)
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LOWER EXPLOSIVE LIMIT (% BY VOLUME) Approximately 1.5 (Butane)	AUTOIGNITION TEMPERATURE (°F) 550F (estimated – Butane)
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UNUSUAL FIRE & EXPLOSION HAZARDS Floors may be slippery when material is released. Toxic vapors & mists may be formed from incomplete combustion. Heated aerosol cans may represent explosion hazard.

SPECIAL FIREFIGHTING PROCEDURES Use water spray or fog to cool fire exposed containers.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PROCEDURES Dispose of in accordance w/ local, state & federal requirements. Remove all ignition sources. Floors may become slippery when material is released.

SECTION 7 – HANDLING & STORAGE

HANDLING PROCEDURES & EQUIPMENT Protect against physical damage. Avoid skin & eye contact. Use w/ adequate ventilation to maintain within exposure limits. Use NIOSH approved respirator if needed.

STORAGE REQUIREMENTS Keep out of reach of children & pets. Do not store above 120F. Do not store or use near heat, sparks or flame. Store & use in cool, dry, well-ventilated area. Separate from incompatibles.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

RESPIRATORY Provide local exhaust ventilation to maintain below exposure limits. If adequate ventilation can not be maintained, wear appropriate NIOSH approved respirator; half or full face organic vapor respirator. Warning: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. (Acetone)

EYEWEAR Safety glasses, chemical goggles or full face shield.

CLOTHING / GLOVES Chemical resistant or rubber gloves & appropriate clothing to avoid skin contact.

HYGENIC PRACTICES Wash w/ soap & water following use, @ breaks, before eating/drinking & @ end of workday.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Aerosol liquid	ODOR & APPEARANCE	Clear liquid w/ mild odor
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SPECIFIC GRAVITY	0.75 to 1.25	VAPOR DENSITY (AIR=1)	Unknown
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EVAPORATION RATE	< 1	BOILING RANGE (°F)	NE
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pH	NE	SOLUBILITY IN WATER	Insoluble following full cure
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VAPOR PRESSURE (MM Hg)	< psig 70 @ 70F	%/WT VOLATILE (TNV)	> 95%
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SECTION 10 – STABILITY AND REACTIVITY

STABILITY Yes No Stable in normal conditions & temperatures.

INCOMPATIBILITY Yes No Strong oxidizing agents such as chlorates, nitrates, peroxides, etc. & strong acids.

CONDITIONS TO AVOID Avoid heat, sparks & open flame.

HAZARDOUS POLYMERIZATION/HAZARDOUS DECOMPOSITION PRODUCTS Combustion may produce carbon monoxide, carbon dioxide. Hazardous polymerization will not occur. Hazardous Decomposition Products: Carbon oxides.

SECTION 11 – TOXICOLOGICAL INFORMATION / CARCINOGENICITY

ACGIH	Carcinogenicity: NE (Butane).
OSHA	Not regulated by OSHA (Butane).
IARC	IARC Monographs: No (Butane). IARC Category: None (Acetone).
NTP	No information found (Butane). Known carcinogen: No (Acetone). Anticipated carcinogen: No (Acetone).
DATA WITH POSSIBLE RELEVANCE TO HUMANS	No information found (Butane). No information found (Acetone).

SECTION 12 – ECOLOGICAL INFORMATION

AQUATIC TOXICITY	None expected under normal use. When released into the soil, Acetone is expected to readily evaporate & biodegrade. When released to water, acetone is expected to quickly evaporate.
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SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL EPA WASTE CODE IF DISCARDED (40CFR Sec.261)	Dispose of in accordance w/ all local, state & federal requirements. Aerosol container – do not puncture or incinerate. When contents are depleted, continue to depress spray button until all gas is expelled. Acetone content requires that material be handled as a hazardous waste.
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SECTION 14 – TRANSPORT INFORMATION

SPECIAL SHIPPING INFORMATION	DOT Proper Shipping Name: CONSUMER COMMODITY, ORM-D.
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SECTION 15 – REGULATORY INFORMATION

CERCLA – SARA HAZARD CATEGORY	SARA 311/312 (Butane): Immediate Acute: Yes. Delayed Chronic: No. Fire Hazard: Yes. Sudden Release of Pressure Hazard: Yes.	U.S. STATE REGS	See Section 16.
SARA 313/DSL	See Section 16.	TSCA	All components listed or exempt from TSCA Inventory.

SECTION 16 – OTHER INFORMATION / SPECIAL PRECAUTIONS / LEGEND

NFPA Ratings: Health 3, Flammability 4, Reactivity 0. Prop 65 List (Known to state of California to cause cancer or reproductive harm): None. MA RTK: Butane. MN Hazardous Substance List: Butane. NJ RTK: Butane. PA RTK: Butane. WHMIS: Butane. Chemical Inventory Listings: (Butane) Australia: Yes (AUS), Canada: Yes (DSL), China: Yes (IECSC). NJ (Top 5 Ingredients): Acetone (67-64-1), Petroleum Distillate (64742-48-9), Butane (106-97-8), Propane (74-98-6), n-Butyl Acetate (123-86-4).

LEGEND: NA – Not Applicable, NE – Not Established, UN – Unavailable, VOC – Volatile Organic Compound, PEL – Permissible Exposure Limit (Listed Permissible Levels (PEL) are from U.S. Department of Labor OSHA Final Rule Limits (CFR 29 1910.1000); limits may vary between states. TLV – Threshold Limit Value, STEL – Short Term Exposure Limit, MSDS – Material Safety Data Sheet, ACGIH – American Conference of Governmental Industrial Hygienists, SARA – Superfund Amendments & Reauthorization Act of 1986, OSHA – Occupational Safety & Health Administration, HMIS – Hazardous Materials Identification System, NTP – National Toxicology Program, CEIL – Ceiling Exposure Limit, CASRN (CAS Number) – Chemical Abstracts Service Registry Number, TSCA – Toxic Substances Control Act

Reviewed By Larry G. Brandon VP Technology & General Manger February 26, 2009
NAME TITLE DATE

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