12908

Material Safety Data Sheet

12908 (0424AC)

MSDS No. 0023 Rev. 3

Emergency Phone No.
(918)825-5744

SECTION 1 – PRODUCT NAME & MANUFACTURER INFORMATION

PRODUCT NAME	ACE Hardware Tile Grout – Tub – Premixed - White
MANUFACTURER'S NAME & TELEPHONE NUMBER	Red Devil, Inc. 918-825-5744
STREET ADDRESS	4175 Webb Street
CITY / STATE / ZIP	Pryor, Oklahoma 74361

SECTION 2 – COMPOSITION / HAZARDOUS INGREDIENTS	%	TLV	PEL	UNITS
PRODUCT CONSISTS OF:				
Calcium Carbonate ** (1317-65-3)	< 70	10	15	mg/m3
Acrylic Emulsion Blend (mixture)	< 25	NE	NE	
Titanium Dioxide ** (13463-67-7)	< 2	10	10	mg/m3
Petroleum Distillate/Mineral Spirits (64742-88-7)	< 1	100	100	ppm
Ammonium Hydroxide (7664-41-7)	< 0.15	25	50	ppm
Non-hazardous ingredients*	<15	NA	NA	

*Unlisted ingredients are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). **Inhalation of particulate not likely due to products physical state.
Calculated VOC: < 3% (50-60 g/L). CARB Compliance: Yes. Prop 65 Ingredients: Yes (See Section 16)

SECTION 3 – HAZARDS IDENTIFICATION

PRIMARY ROUTE(S) OF ENTRY	☒ Skin Contact ☒ Skin Absorption ☐ Eye Contact ☒ Inhalation ☐ Ingestion
EMERGENCY OVERVIEW	White, slightly textured paste. Harmful if swallowed.
EFFECTS OF OVEREXPOSURE	Eye: Causes eye irritation. Skin: Causes skin irritation. Inhalation: Harmful if inhaled. May cause nose & throat irritation. Ingestion: Harmful if swallowed. Chronic Hazards: Formaldehyde vapor (trace residual Formaldehyde present in base acrylic emulsion) is a known animal carcinogen (IARC & NTP) & is considered possibly carcinogenic to humans by inhalation.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	None known.

SECTION 4 – FIRST AID MEASURES

SKIN CONTACT	Wash w/ soap & water for @ least 15 minutes. Get medical attention if symptoms persist. Remove & wash contaminated clothing.
EYE CONTACT	Immediately flush w/ large quantities of water for @ least 15 minutes until irritation subsides. Get medical attention.
INHALATION	Remove to fresh air. If breathing difficult, leave area to obtain fresh air. If breathing remains difficult, get medical attention.
INGESTION	DO NOT INDUCE VOMITING. Get immediate medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE	☐ Yes ☒ No		
EXTINGUISHING MEDIA	Carbon Dioxide, Dry Chemical, Foam, Water Fog		
FLASHPOINT (°F) & METHOD	>200F (Seta Closed Cup)	UPPER EXPLOSIVE LIMIT (% BY VOLUME)	NE
LOWER EXPLOSIVE LIMIT (% BY VOLUME)	NE	AUTOIGNITION TEMPERTURE (°F)	NE
UNUSUAL FIRE & EXPLOSION HAZARDS	None known.		
SPECIAL FIREFIGHTING PROCEDURES	Wear self-contained breathing apparatus pressure demand (NIOSH approved or equivalent) & full protective gear. Use water spray to cool exposed surfaces.		

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PROCEDURES	Wear proper protective equipment (Section 8). Use absorbent material or scrape up dried material & place in approved container.

SECTION 7 – HANDLING & STORAGE

HANDLING PROCEDURES & EQUIPMENT	Keep out of reach of children & pets. Do not take internally. Do not breathe vapors. Use only w/ adequate ventilation. Wash thoroughly after handling. Avoid contact w/ eyes, skin & clothing. Open windows & doors to ensure cross-ventilation & fresh air during application & curing.
STORAGE REQUIREMENTS	Close container after each use. Store containers away from excessive heat & freezing. Do not store @ temperatures above 120F. Store away from caustics & oxidizers.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

RESPIRATORY	In case of insufficient ventilation, wear suitable respiratory equipment. A NIOSH-approved air purifying respirator w/ organic vapor cartridge may be necessary under circumstances where concentrations are expected to exceed exposure limits.
EYEWEAR	Goggles or safety glasses w/ side shields.
CLOTHING / GLOVES	Rubber gloves. Other protective equipment not required under normal use.
HYGENIC PRACTICES	Remove & wash contaminated clothing before re-use. Wash hands before breaks & @ end of workday.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Paste	ODOR & APPEARANCE	Mild acrylic/ammonia odor, v slightly textured white paste
SPECIFIC GRAVITY	Approximately 1.50 to 2.0	VAPOR DENSITY (AIR=1)	> 1
EVAPORATION RATE	NE	BOILING RANGE (°F)	NE
pH	Approximately 7 to 10	SOLUBILITY IN WATER	Slightly soluble prior to full cure
VAPOR PRESSURE (MM Hg)	NE	%/WT VOLATILE (TNV)	< 25

SECTION 10 – STABILITY AND REACTIVITY

STABILITY	☒ Yes ☐ No	Stable under normal conditions.
INCOMPATABILITY	☒ Yes ☐ No	Incompatible w/strong bases & oxidizing agents.
CONDITIONS TO AVOID	Excessive heat & freezing.	
HAZARDOUS POLYMERIZATION/HAZARDOUS DECOMPOSITION PRODUCTS	Hazardous polymerization will not occur under normal conditions. Normal decomposition products, ie: COx, NOx.	

SECTION 11 – TOXICOLOGICAL INFORMATION / CARCINOGENICITY

ACGIH	Small amount of Silica, crystalline present in Calcium Carbonate & trace residual Formaldehyde present in base emulsion are suspected human carcinogens.
OSHA	Trace residual Formaldehyde present in base emulsion viewed as a possible cancer hazard.
IARC	Trace residual Formaldehyde: Potential human carcinogen
NTP	Silica, crystalline, present in small amount in Calcium Carbonate Filler: Known carcinogen. Trace residual Formaldehyde & various monomers used in polymerization of base emulsion: Anticipated carcinogens.
DATA WITH POSSIBLE RELEVANCE TO HUMANS	Product contains trace amounts of residual Formaldehyde. OSHA, NTP & IARC identify Formaldehyde as a potential carcinogen. Formaldehyde has been shown to cause mutations in a variety of in-vitro test systems, w/ human significance unknown. Rats have shown carcinogenic effects in respiratory system. Risk should be minimal when used w/ adequate ventilation. Maintain adequate ventilation to prevent exposure above OSHA exposure limits. Product may contain trace amounts of Acrylonitrile. It is exempt from OSHA Acrylonitrile Standard 29 CFR 1910.1045. Acrylonitrile has been classified by IARC as possibly carcinogenic to humans, by OSHA as carcinogenic & by NTP as anticipated to be a human carcinogen.

SECTION 12 – ECOLOGICAL INFORMATION

AQUATIC TOXICITY	Not known or expected under normal use.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	Dispose of material in accordance w/ Federal, State & Local regulations.
EPA WASTE CODE IF DISCARDED (40CFR Sec.261)	None.

SECTION 14 – TRANSPORT INFORMATION

SPECIAL SHIPPING INFORMATION	Product not regulated by DOT.

SECTION 15 – REGULATORY INFORMATION

CERCLA – SARA HAZARD CATEGORY	Immediate health hazard; chronic health hazard.	U.S. STATE REGS	See Section 16.
SARA 313	None.	TSCA	All ingredients either on TSCA Inventory or exempt

SECTION 16 – OTHER INFORMATION / SPECIAL PRECAUTIONS / LEGEND

Prop 65 Ingredients: Crystalline, silica (present in small quantities in Calcium Carbonate Filler), Formaldehyde (trace residual present in base emulsion blend). NJ Right-to-Know: (Top 5 Ingredients): Calcium Carbonate (1317-65-3), Base Acrylic Emulsion (mixture), Water (7732-18-5), Petroleum Distillate (64742-88-7), Titanium Dioxide (13463-67-7). Pennsylvania Right-to-Know (Non-Haz @ >3%): Water (7732-18-5). Ingredients Known to State of California to cause birth defects or reproductive harm: None. HMIS Ratings: Health: 1, Flammability: 0, Reactivity: 0. Titanium Dioxide added to Massachusetts Right to Know List, Minnesota Hazardous Substance List, New Jersey Right to Know List, Pennsylvania Right to Know List & Rhode Island Hazardous Substance List.

LEGEND: NA – Not Applicable, NE – Not Established, UN – Unavailable, VOC – Volatile Organic Compound, PEL – Permissible Exposure Limit, 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 (NAME) VP Technology & General Manager (TITLE) May 1, 2008 (DATE)