

Material Safety Data Sheet

0696FC Fastenal – Quick Grip Adhesive – Water Clean Up – VOC Compliant

MSDS No. 0696FC

Emergency Phone No.
507-454-5374

SECTION 1 – PRODUCT NAME & MANUFACTURER INFORMATION

PRODUCT NAME	Fastenal ROCK RIVER Quick Grip Adhesive – Water Clean Up – VOC Compliant – Std Cartridge		
MANUFACTURER'S NAME & TELEPHONE NUMBER	Fastenal Company	507-454-5374	
STREET ADDRESS	2001 Theurer Blvd.		
CITY / STATE / ZIP	Winona, Minnesota 55987		

SECTION 2 – COMPOSITION / HAZARDOUS INGREDIENTS

	%	TLV	PEL	UNITS
PRODUCT CONSISTS OF:				
Calcium Carbonate ** (1317-65-3)	15 to 35	10	15	mg/m3
Acrylic Emulsion (mixture)	20 to 40	NE	NE	
Propylene Glycol (57-55-6)	1 to 5	400***	NE	ppm
Kaolin ** (1332-58-7)	1 to 5	5	15	mg/m3
Non-hazardous ingredients*	< 20	NA	NA	
*Unlisted ingredients are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). **Inhalation not likely due to products physical state. *** TWA Calculated VOC: < 1.5%/wt (< 25 g/L). CARB Compliance: Yes. Prop 65 Ingredients: Yes (See Section 16)				

SECTION 3 – HAZARDS IDENTIFICATION

PRIMARY ROUTE(S) OF ENTRY	<input checked="" type="checkbox"/> Skin Contact	<input checked="" type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> Eye Contact	<input checked="" type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Ingestion
EMERGENCY OVERVIEW	White colored paste product. May cause eye, skin & respiratory tract irritation. Ingestion may cause gastric disturbances. Contains material(s) known to the State of California to cause cancer, birth defects or other reproductive harm.				
EFFECTS OF OVEREXPOSURE	May cause eye, skin, nose, throat & respiratory tract irritation.				
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	None known.				

SECTION 4 – FIRST AID MEASURES

SKIN CONTACT	Wash affected area thoroughly w/ soap & water. If irritation develops, seek medical attention.
EYE CONTACT	Flush w/ copious amounts of water for @ least 15 minutes. If irritation develops, seek medical attention.
INHALATION	Remove individual to fresh air & keep individual calm. Assist in breathing if necessary. Immediate medical attention required.
INGESTION	DO NOT INDUCE VOMITING. Immediately rinse mouth & then drink plenty of water. Seek medical attention. Never induce vomiting or give anything by mouth, if victim is unconscious or having convulsions.

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE Yes No (Unspecified) Product has not been tested. Statement has been derived from properties of individual components.

EXTINGUISHING MEDIA Water fog, foam, dry extinguishing media

FLASHPOINT (°F) & METHOD >200F **UPPER EXPLOSIVE LIMIT (% BY VOLUME)** NE

LOWER EXPLOSIVE LIMIT (% BY VOLUME) NE **AUTOIGNITION TEMPERATURE (°F)** NE

UNUSUAL FIRE & EXPLOSION HAZARDS None known.

SPECIAL FIREFIGHTING PROCEDURES Firefighters should be equipped w/ self-contained breathing apparatus & turn-out gear (full-dress equipment).

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PROCEDURES Cleanup: Spills should be contained, solidified & placed in suitable containers for disposal. Further Information: High risk of slipping due to leakage/spillage of product.

SECTION 7 – HANDLING & STORAGE

HANDLING PROCEDURES & EQUIPMENT Keep out of reach of children & pets. Do not take internally. Ensure adequate ventilation. Handle in accordance w/ good industrial hygiene & safety practice. No special measures provided product used correctly.

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. Store protected against freezing.

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 Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

CLOTHING / GLOVES Rubber gloves, chemical resistant. Other protective equipment not required under normal use.

HYGENIC PRACTICES Hands &/or face should be washed before breaks & @ end of work shift. Avoid contact w/ skin & eyes.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE Paste **ODOR & APPEARANCE** Mild odor. Smooth white paste.

SPECIFIC GRAVITY Approximately 1.0 to 1.50 **VAPOR DENSITY (AIR=1)** Heavier than air

EVAPORATION RATE Slower than n-Butyl Acetate **BOILING RANGE (°F)** 210 to 220F

pH Approximately 7 to 10 **SOLUBILITY IN WATER** Slight, before cure.

VAPOR PRESSURE (MM Hg) NE **%/WT VOLATILE (TNV)** Approximately 20 to 40%

SECTION 10 – STABILITY AND REACTIVITY

STABILITY Yes No Stable under normal conditions.

INCOMPATIBILITY Yes No Incompatible w/ metal salts

CONDITIONS TO AVOID Excessive heat & freezing.

HAZARDOUS POLYMERIZATION/HAZARDOUS DECOMPOSITION PRODUCTS Hazardous polymerization will not occur under normal conditions. Hazardous decomposition products: carbon dioxide, carbon monoxide, hydrocarbons.

SECTION 11 – TOXICOLOGICAL INFORMATION / CARCINOGENICITY

ACUTE TOXICITY - ORAL	Type of Value: LD50. Species: Rat. Value: > 2,000 – 10,000 mg/kg
IRRITATION/ CORROSION	Skin: Species: Rabbit. Result: Non-irritant. Method: OECD Guideline 404. Eye: Species: Rabbit. Result: Non-irritant. Method: OECD Guideline 405.
OTHER INFORMATION	Based on information available, no adverse health effects are expected if handled as recommended w/ suitable precautions for designated uses. Product has not been tested. Statements on toxicology derived from properties of individual components.

SECTION 12 – ECOLOGICAL INFORMATION

AQUATIC TOXICITY	FISH: Acute: OECD Guideline 203 static, Brachydanio rerio/LC50 (96 h): > 100 mg/l. AQUATIC INVERTEBRATES: Acute: OECD Guideline 202, part 1 static, Daphnia magna/EC50 (48 h): > 100 mg/l. AQUATIC PLANTS: Toxicity to aquatic plants: OECD Guideline 201 green algae/EC50 (72 h): > 100 mg/l, nominal concentration. MICROORGANISMS: Toxicity to Microorganisms: DIN EN ISO 8192-OECD 209-88/302/EEC, P. C activated sludge, domestic/EC20 (0.5 h): > 100 mg/l. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. DEGRADABILITY/PERSISTENCE BIOLOGICAL/ABILOGICAL DEGRADATION: Test Method: OECD 302B; ISO 9888; 88/302/EEC, part C. Method of Analysis: DOC reduction. Degree of Elimination: > 70%. Evaluation: Easily eliminated from water. Product can be virtually eliminated from water by abiotic processes e.g. adsorption into activated sludge. BIOACCUMULATION: Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected. OTHER ADVERSE EFFECTS: Do not release untreated into natural waters. At present state of knowledge, no negative ecological effects are expected. Ecological data are determined by analogy. Product has not been tested. Statements on ecotoxicology have been derived from properties of the individual components.
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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	LAND TRANSPORT; USDOT: Not classified as a dangerous good under transport regulations. SEA TRANSPORT; IMDG: Not classified as a dangerous good under transport regulations. AIR TRANSPORT; IATA/ICAO: Not classified as a dangerous good under transport regulations.
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SECTION 15 – REGULATORY INFORMATION

EPCRA 311/312 HAZARD CATEGORIES. EPCRA 313.	Acute; Chronic	U.S. STATE REGS	See Section 16.
OSHA HAZARD CATEGORY	IARC 1, 2A or 2B carcinogen; NTP listed carcinogen. Chronic target organ effects reported; ACGIH TLV established.	TSCA, US	Released/listed.

SECTION 16 – OTHER INFORMATION / SPECIAL PRECAUTIONS / LEGEND

NJ Right-to-Know: (Top 5 Ingredients): Calcium Carbonate (1317-65-3), Base Acrylic Emulsion (mixture), Propylene Glycol (57-55-6), Water (7732-18-5), Kaolin (1332-58-7). MA, PA: Calcium Carbonate (1317-65-3), Kaolin (1332-58-7), MA, NJ, PA: Crystalline Silica (14808-60-7) (Present @ low levels in Calcium Carbonate Filler)
Pennsylvania Right-to-Know (Non-Haz @ >3%): Water (7732-18-5). HMIS III Ratings: Health: 1, Flammability: 1, Physical Hazard: 0. **WARNING**: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. **NOTE**: NFPA & HMIS use a numbering scale ranging from 0 to 4 to indicate degree of hazard. A value of 0 means the substance possesses essentially no hazard; a rating of 4 indicates extreme danger. Although similar, the two rating systems are intended for different purposes, & use different criteria. The NFPA system was developed to provide an on the spot alert to the hazards of a material & their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

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, NFPA – National Fire Protection Association, NTP – National Toxicology Program, CEIL – Ceiling Exposure Limit, CASRN (CAS Number) – Chemical Abstracts Service Registry Number, TSCA – Toxic Substances Control Act

Reviewed By: <u> Larry G. Brandon </u>	<u> VP Technology & General Manager </u>	<u> October 30, 2012 </u>
DATE	NAME	TITLE

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