

Safety Data Sheet

GruberCare PVA Concentrate

SDS No. 20018.0

Date of Preparation: 7/17/15

Revision: 8/14/15

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: GruberCare PVA Concentrate

General Use: Mold release agent

Manufacturer: Marshall-Gruber Company, LLC
A subsidiary of The R. J. Marshall Company
220 Airport Drive
Mansfield, TX 76063
Phone: (682)422-9674, Fax: (682)518-9762

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Date Revised: 8/14/15

Preparer: Stephanie Nichols

Section 2 – Hazards Identification

Classification of the chemical in accordance with paragraph (d) of 1910.1200: Hazardous.

GHS Classifications:

Flammable Liquid Category 2

Eye Irritant Category 2

Signal words: Danger



Symbol:

Hazard statements:

H226: Flammable liquid

H319: Causes serious eye irritation.

Prevention statements:

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P223: Keep container tightly closed.

P240: Ground/Bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash thoroughly after handling.

Response statements:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378: In case of fire: Use methods defined in section 5 to extinguish.

Storage statement:

P403+P325: Store in a well-ventilated place. Keep cool.

Disposal statement:

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

EU Labeling and Classification:

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EEC, 1272/2008/EC and subsequent Directives.

EU Hazard Classification per Directive 1272/2008/EC:

Index Number:

EC# 231-791-2 This substance is not classified in Annex VI

EC# 265-199-0 Annex VI Index #: 200-578-6

Hazards not otherwise classified: None

Section 3 – Composition/Information on Ingredients

Chemical Name	CAS#	EINECS#	Weight %
Water	7732-18-5	231-791-2	20-70%
Ethanol	64-17-5	265-199-0	30-50%
Acetic Acid Ethenyl Ester co-polymer with Ethenol	25213-24-5	Not listed	1-6%

Each of the other components is present in less than 1 percent concentration (0.1% concentration) for potential carcinogens, reproductive toxins, respiratory tract sensitizer, and mutagens.

Section 4 - First Aid Measures

Description of necessary measures, subdivided according to the different routes of exposure:

Inhalation: Remove to fresh air. In the event of breathing difficulties, get medical advice/attention immediately.

Eye Contact: Flush eyes under gentle running water. Use sufficient force to open eyelids. Have victim “roll” eyes. Continue flushing for a minimum of 15 minutes. Remove contact lenses, if worn. Seek medical attention.

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with plenty of soap and water. Consult a physician if irritation develops and persists. Wash contaminated clothing before using it again.

Ingestion: Call a physician or poison control center. Take a copy of the label and SDS with the victim to the health professional.

Most important symptoms/effects, acute and delayed: Persons with pre-existing skin disorders, eye problems, and impaired respiratory function may be more susceptible to the effects of the substance.

Indication of immediate medical attention and special treatment needed: Treat symptoms and eliminate overexposure.

Section 5 - Fire-Fighting Measures

Suitable Extinguishing Media: Dry chemical, foam, carbon dioxide

Unsuitable Extinguishing Media: None known.

Unusual Fire or Explosion Hazards: None known.

Explosion Sensitivity to Mechanical Impact: Not Sensitive

Explosion Sensitivity to Static Discharge: Not Sensitive

Fire-Fighting Instructions: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Remove all unnecessary personnel. Eliminate all sources of ignition. Wear appropriate protective equipment, including respiratory protection, as conditions warrant.

Environmental precautions: Prevent spilled material from entering sewers, storm drains, or other unauthorized treatment drainage systems, and natural waterways.

Methods and materials for containment and cleaning up: Absorb spill with inert material (e.g. vermiculite, sand, or earth), then place in suitable container.

Section 7 - Handling and Storage

Precautions for safe handling: Do not eat, drink, or smoke during use. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities: Protect from physical damage.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Protective Clothing/Equipment:

Hand protection: Compatible protective gloves recommended. Wash hands after removing gloves. If necessary, refer to US OSHA 29CFR1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australia, or Japan.

Body protection: Use body protection appropriate for the task. Coveralls, rubber aprons, or chemical protective clothing made from natural rubber are generally acceptable, depending upon the task. If necessary, refer to appropriate Standards of Canada, EU, Australia, and Japan. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection as described in US OSHA 29CFR1910.136.

Eye protection: Splash goggles or safety glasses with side shields required to prevent eye contact. If necessary refer to US OSHA 29CFR1910.133, Canadian Standards, and European Standard EN166, Australian Standards, or relevant Japanese Standards.

Respiratory protection: Not normally required when working with this product. If exposure limits are exceeded, use only respiratory protection authorized in the US Federal OSHA Respiratory Protection Standard (29CFR1910.134), equivalent US State Standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Water	None established	None established	None established	None established
Ethanol	1 ppm 1900 mg/m ³	None established	1 ppm	None established
Acetic Acid Ethenyl Ester co-polymer with Ethenol	None established	None established	None established	None established

Section 9 - Physical and Chemical Properties

Appearance: green viscous liquid

Odor: ethanol odor

Odor Threshold: not available

pH: not available

Freezing/Melting Point: not available

Boiling Point: 180°F (82.2°C)

Flash Point: 68°F (20°C)

Flash Point Method: not available

Evaporation Rate: not available

Flammability: Flammable

Upper/lower flammability or explosive limits:

(in air by volume, %) Lower: 1.9 Upper: 12.6

Vapor Pressure: 4.4 kPa

Vapor Density (Air=1): 1.5

Relative Density: 0.92

Water Solubility: 90%

Other Solubilities: not available

Partition coefficient: n-octanol/water; not available

Auto-ignition Temperature: not established

Decomposition Temperature: not available

Viscosity: not applicable

Calculated VOC: 7.14 lbs/gal (855.6 g/l)

Section 10 - Stability and Reactivity

Reactivity: None known.

Chemical Stability: This product is stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions: Will not occur

Conditions to Avoid: Excessive heat, open flame, and other sources of ignition, incompatible materials.

Incompatible materials: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition may produce oxides of carbon.

Section 11- Toxicological Information

Information on the likely routes of exposure: Skin, Eye, Inhalation, and Ingestion.

Symptoms related to the physical, chemical, and toxicological characteristics:

Eye: Contact may cause irritation to the eyes, resulting in redness or watering.

Skin: Repeated or prolonged exposure may cause skin irritation.

Ingestion: Aspiration hazard, may cause lung damage. Ingestion may cause gastrointestinal irritation with nausea and diarrhea.

Inhalation: None anticipated under normal conditions.

Delayed and immediate effects and also chronic effects from short and long-term exposure: See above.

Numerical measures of toxicity:

Ethanol	64-17-5	LD ₅₀ Oral-Rat	7060 mg/kg
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Carcinogenicity: Components of this product are not listed as carcinogenic by OSHA, IARC, NTP.

Irritancy of product: This product may be irritating to eyes, skin, and respiratory system.

Sensitization to the product: None known.

Reproductive toxicity:

Mutagenicity: Components of this product are reported to produce mutagenic effects in humans.

Embryotoxicity: No embryotoxic effects in humans.

Teratogenicity: No teratogenic effects in humans.

Reproductive toxicity: The components of this product are not reported to produce reproductive effects in humans.

Section 12 - Ecological Information

Eco-toxicity: No data available.

Persistence and degradability: Possibly hazardous short term degradations products are not likely. However, long term degradation products may arise.

Bio-accumulative potential: information not available

Mobility in soil: information not available

Other adverse effects: Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

Section 13 - Disposal Considerations

Disposal: Follow applicable Federal, state, and local regulations.

EU Waste Code: Not listed.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

Road and Rail Transport:

UN Number: UN1170

UN proper shipping name: Ethanol Solutions

Transport hazard classes: Class 3

Packaging group: PGII

Environmental hazards: None

Special precautions for user: None

International Air Transport Association (IATA):

UN Number: UN1170

UN proper shipping name: Ethanol Solutions

Transport hazard classes: Class 3

Packaging group: PGII

International Maritime Organization (IMO):

UN Number: UN1170

UN proper shipping name: Ethanol Solutions

Transport hazard classes: Class 3

Packaging group: PGII

Section 15 - Regulatory Information

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)
 RCRA Hazardous Waste Classification (40 CFR 261.??): Not classified
 CERCLA Hazardous Substance (40 CFR 302.4): Not listed
 SARA Toxic Chemical Section 313(40 CFR 372.65): Not listed
 SARA EHS Section 302(Extremely Hazardous Substance) (40 CFR 355): Not listed
 SARA Hazardous Chemical Section 311/312: Acute Health: Yes, Chronic Health: No, Fire: No, Reactivity: No

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed
 OSHA Specifically Regulated Substance (29CFR 1910.????)

California Proposition 65: This product does not contain components above the 0.1% level which is listed as a California Proposition 65 chemical.

HMIS: Health: 2 Flammability: 2 Reactivity: 0
 NFPA: Health: 1 Flammability: 3 Reactivity: 0

Inventory Lists: This product or its components are listed on the following inventory lists:

TSCA	Australia AICS	Canada DSL	Europe EINECS	Japan ENCS	Korea ECL	Asia-Pac	Philippines PICCS	Swiss Giftliste
Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed

Canadian Environmental Protection Act (CEPA) priorities substances lists: No component of this product in on the CEPA First Priorities Substances Lists.

EU Hazard Information: See Section 2.

Australia Standard for the Uniform Scheduling of Drugs and Poisons: Not applicable.

Japan: The components of this product are not listed as Class I specified chemical substances, Class II specified chemical substances, or designated chemical substances by the Japanese MITI.

Section 16 - Other Information

Prepared By: Stephanie Nichols

Revision Notes: updated to SDS

Product Grades Available from the R. J. Marshall Company (this list may be incomplete):

010634

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