

Safety Data Sheet

Concrete Mender VO Low Odor (Component B – RESIN)

Version: 1.0

Revision Date: 06/10/2019

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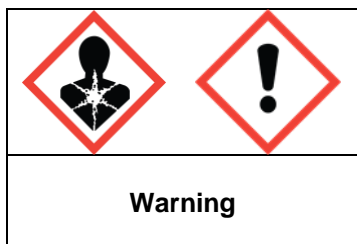
1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : Concrete Mender VO Low Odor – Part B 61XXX
Recommended use : Part of construction adhesive system
Company : Roadware Incorporated
Address : 381 Bridgepoint Way
South Saint Paul, MN 55075
Phone : 651-457-6122
Emergency Telephone Numbers : Chem-Tel: 800-255-3924
Restrictions on use : For professional or industrial use only

2. HAZARDS IDENTIFICATION

GHS Classification

Acute Toxicity (Oral)	4
Skin Irritation	2
Eye Irritation	2A
Specific Target Organ Toxicity – repeated exposure: (Pancreas)	2



Hazard Statements:

Harmful if swallowed
Causes eye irritation
Causes skin irritation
May cause damage to organs (pancreas) through prolonged and repeated exposure

Precautionary Statements:

Prevention:
Do not breathe dust, fumes, gas, vapors, mist or sprays
Wash skin thoroughly after handling
Do not eat, drink, or smoke when using this product
Wear eye and face protection, protective clothing and protective gloves

Response statements:

If swallowed: Rinse mouth. Contact a doctor/physician, medical professional or poison control center if you feel unwell.
If in eyes: Rinse cautiously with water for several minutes. Remove contacts if present and easy to do. If eye irritation persists contact get medical attention.
If on skin: Rinse skin with plenty of soap and water. If skin irritation or rash develops, seek medical attention. Take off contaminated clothing and wash before reuse.

Disposal:

Dispose of contents and container in accordance with existing federal, state and local environmental control laws.

Section 3. Composition / Information on Ingredients

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This product is a mixture.

Hazardous Components

CAS Number	Chemical Name	Concentration
6846-50-0	Propanoic Acid, 2-methyl-,2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl ester	30-50%
25214-63-5	Polyether polyols	50-70%

Specific chemical identities and exact percentages may have been withheld as a trade secret or CBI in compliance with 29 CFR 1910.1200 (i).

4. First Aid Measures

Most important symptoms and effects (acute and delayed)	Symptoms of ingestion may include abdominal pain, nausea, vomiting and diarrhea. Causes serious eye irritation with symptoms of reddening, tearing and burning sensation. Ingesting major quantities may cause methemoglobin formation. This can result in reducing the blood's ability to carry oxygen with cyanosis like symptoms.
Skin Contact	Wash affected areas with plenty of soap and water. If irritation develops, seek medical attention.
Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. In case of blue discoloration of lips, ears, skin or fingernails (cyanosis) give oxygen to breathe and seek medical attention.
Ingestion	Do not induce vomiting unless directed by medical personnel. Drink water to dilute. Do not give anything by mouth to an unconscious person.
Eye Contact	Flush with plenty of water for at least 15 minutes. If irritation develops or persists seek medical attention.
Notes to Physician	Immediately give oxygen if victim turns blue (lips, ears, skin or fingernails). Reversion of methemoglobin to hemoglobin occurs spontaneously after termination of exposure, moderate degrees of cyanosis need to be treated by supportive measures.

5. Firefighting Measures

Suitable Extinguishing Media	Dry chemical, Carbon Dioxide (CO ₂), alcohol resistant foam, water fog, water spray.
Not Suitable Extinguishing Media	No data available
Special exposure hazards	In a fire or if heated, a pressure increase will occur and the container may burst. Produces oxides of carbon and nitrogen as well other undetermined aliphatic fragments. Combustion products may be toxic and/or irritating. Avoid smoke.
Special protective equipment for fire-fighters	Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. PVC boots, gloves, safety helmet and protective clothing should be worn.
Special remarks on explosion hazards	Containers may burst if overheated.

6. Accidental Release Measures

Personal protection	Immediately contact emergency personnel. Isolate the area. Keep upwind avoiding inhalation of vapors. Clean up should only be performed by trained personnel. People dealing with major spillages should wear full protective clothing including respiratory protection. Use suitable protective equipment (see section 8).
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for cleaning up	Dike or dam spilled material to avoid spreading. If possible prevent material from entering waterways, storm drains, sewers, surface or ground water systems. Cover spill with inert material and collect for proper disposal. Wash spill area with soap and

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water. Collect wash water for proper disposal.

7. Handling and Storage

Handling	Wear appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Keep containers closed when not in use.
Storage	Keep container tightly closed.
Safe storage temperature	60 - 100° F

8. Exposure Controls / Personal Protection

Exposure Limits

This product does not contain any components that have exposure limits as established by ACGIH or OSHA.

CAS Number	Component	Value type	Limit / Standard	Notes	Source
	No applicable limits				

Preventive Measures	Conditions of use, adequacy of engineering or other control measures and actual exposures will dictate the need for specific protective devices at your workplace.
Engineering Controls	
Personal Protection	
Eyes	Chemical safety goggles. If there is a potential for splashing, use a full face shield.
Skin	Protective clothing should be selected and used in accordance with 'Guidelines for the Selection of Chemical Protective Clothing' published by ACGIH.
Respiratory	None required
Hands	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products. Nitrile rubber has shown good results. Thin latex or vinyl disposable gloves should be avoided. Consult with producers of protective gloves for suitability.
Other Protection	Consult your supervisor or S.O.P. for special handling instructions.

9. Physical and Chemical Properties

General Information	
Physical state	Liquid
Color	Clear
Odor	Musty
Odor Threshold	Not available
pH	Not available
Boiling point	Not available
Melting point	Not available
Flash point	> 169 °C PMCC
Explosive properties	Non-explosive in the presence of the following materials or conditions: Open flames, sparks and static discharge and shocks and mechanical impacts.
Auto-ignition temperature	No data available
Evaporation Rate	Very slow
Solubility	No data available
Partition Coefficient	No data available
Decomposition temperature	No data available
Relative density	1.0

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Vapor pressure	No data available
Vapor density	Not data available
Viscosity	
VOC content	0 g/L

10. Stability and Reactivity

Stability and reactivity	Stable at room temperature.
Conditions of instability	Avoid high temperatures.
Incompatibility with various substances	
Hazardous polymerization	
Hazardous decomposition products	Combustion products may include: carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ ...), hydrocarbons and other undetermined components.

11. Toxicological Information

No product specific toxicological information is available. Data obtained on components are summarized below.

Component	
6846-50-0	Propanoic Acid, 2-methyl-,2,2-dimethyl-1-(1-methylethel)-1,3-propanediyl ester
Likely routes of exposure	Skin, eyes
Acute Toxicity	No data available
Skin Corrosion Skin Irritation	No data available
Eye Damage Eye Irritation	No data available
Respiratory or Skin sensitization	No data available
Carcinogenicity	The IARC, NTP, or OSHA does not consider the components in this product to be human carcinogens.
Germ Cell Mutagenicity	Not classified
	Effects on fetal development Species: Rat, female: Oral route General toxicity maternal: NOAEL: 359 mg/kg body weight Developmental toxicity: NOAEL: 359 mg/kg body weight Embryo-fetal toxicity: NOAEL: 359 mg/kg body weight Symptoms: Maternal toxicity Result: Embryonic effects and adverse effects on off-spring detected Species: Rat, male: Oral route General toxicity maternal: NOAEL: 276 mg/kg body weight Developmental toxicity: NOAEL: 276 mg/kg body weight
Target Organ Systematic Toxicity – Single Exposure	No data available
Target Organ Systematic Toxicity – Repeated Exposure	No data available
Aspiration Toxicity	Not classified
25214-63-5	Polyether polyol Skin Irritation: 2, Eye Irritation: 2B
Acute Toxicity	(Oral) LD50: rat, 2 -5 g/kg

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	(Dermal) LD50: rat, >2000 mg/kg
Skin Corrosion Skin Irritation	Rabbit: Irritation pH: 10-13 @ 25 C
Eye Damage Eye Irritation	Rabbit, Irritation pH: 10-13 @ 25 C
Respiratory or Skin sensitization	No data available
Carcinogenicity	No data available
Germ Cell Mutagenicity	No data available
Reproductive toxicity	No data available
Target Organ Systematic Toxicity – Single Exposure	No data available
Target Organ Systematic Toxicity – Repeated Exposure	No data available
Aspiration Toxicity	No data available

12. Ecological Information

No product specific ecological information is available. Data obtained on components are summarized below.

Component	
6846-50-0	Propanoic Acid, 2-methyl-,2,2-dimethyl-1-(1-methylethel)-1,3-propanediyl ester
Persistence and degradability	Readily biodegradable
Mobility	No data available
Bioaccumulation	No data available
Ecotoxicity effects	No data available
Aquatic toxicity	No data available
Component	
25214-63-5	Polyether polyol
Persistence and degradability	No data Available
Mobility	No data available
Bioaccumulation	No data available
Ecotoxicity effects	No data available
Aquatic toxicity	LC50: > 100 mg/l

13. Disposal Considerations

Waste disposal	The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-product should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Contaminated containers should be emptied. Do not reuse containers. Do not burn or use a cutting torch on empty containers.
U.S. EPA RCRA	EPA resource recovery act (RCRA) composite list of hazardous wastes and Appendix VIII Hazardous constituents (40 CFR 261): Under RCRA, it is the responsibility of the person who generates a solid waste to determine if that waste is a hazardous waste as defined by 40 CFR 261.2.

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14. Transportation Information

Regulatory Information	UN Number	Proper Shipping Name	Class	PG*	Label	Additional information
DOT Classification	Not regulated					
TDG Classification	Not regulated					
IMDG Class	Not regulated					
IATA-DGR Class	Not regulated					

15. Regulatory Information

United States Federal Regulations	
U.S. Toxic Substances Control Act (TSCA 8b)	All components are listed or exempted.
CERCLA – reportable quantity, calculated	No reportable quantity
SARA 304 Extremely Hazardous Substances RQ	Does not contain any components subject to 304 EHS RQ
SARA 311 / 312	Acute health hazard Chronic health hazard
EPA Community Right To Know Act (EPCRA) SARA Title III Section 313, components requiring notification.	None
Clean Air Act, Components listed as HAP	None
Clean Water Act, Section 311, Table 116.4A	None
Clean Water Act, Section 311, Table 117.3	None
Clean Water Act, Section 307	None
California Prop 65	None
DRC Conflict materials	Based upon information from our suppliers this product is “DRC Conflict Free” as defined by the SEC Conflict Minerals Final Rule.

16. Other Information

While the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, *NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.*

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Disclaimer:

The data set forth in this sheet is based on information provided by the suppliers of raw materials and chemicals used in the manufacture of the aforementioned product. Roadware Incorporated makes no warranty with respect to the accuracy of the information provided by their suppliers, and disclaims all liability of reliance thereof.