

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 12/23/2015 Supersedes: All previous versions Version: 1.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

: Mixture

Product identifier 1.1.

Product name

1.2.

: Sentinel 909 Soybean Based Mastic Remover (VOC Compliant)

Product form

Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

: Degreasing, Mastic adhesive removal

Details of the supplier of the safety data sheet 1.3.

Sentinel Products Inc. 8901 Wyoming Avenue North Brooklyn Park, MN 55445 Phone: (763) 571-0630 Toll-free: (800)-373-0633 www.senpro.com

1.4. Emergency telephone number

Emergency number

: 1-866-359-5661

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Skin Irritation 2 H315 Eye Irritation 2 H319

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US)	S Warning	
Hazard statements (GHS-US)	: H315 - Causes skin irritation	
	H319 - Causes serious eye irritation	
Precautionary statements (GHS-US)	: P264 - Wash hands thoroughly after handling.	
	P280 - Wear eye protection, protective clothing, protective gloves.	
	P302+P352 - IF ON SKIN: Wash with plenty of soap and water.	
	P332+P313 - If skin irritation occurs: Get medical advice/attention.	

P362 - Take off contaminated clothing and wash before reuse.

contact lenses, if present and easy to do so. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P501 - Dispose of contents/container to licensed waste handling facility.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

2.3. Other hazards

No additional information available

Unknown acute toxicity (GHS-US) 2.4.

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

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	Name	Product identifier	%
	Unsaturated Methyl Esters	(CAS No) 67762-26-9	Proprietary*
	2-(2-butoxyethoxy)ethanol	(CAS No) 112-34-5	Proprietary*
	Surfactant	(CAS No) Proprietary*	Proprietary*
	*The exact product ider	ntification and/or percentage of composition has been wit	hheld as a trade secret
SECTION	4: First aid measures		
4.1. D	escription of first aid measures		

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).	
First-aid measures after inhalation	: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if unwell.	
First-aid measures after skin contact	: IF ON SKIN: Immediately rinse with plenty of soap and water (for at least 15 minutes). Take off contaminated clothing and wash before reuse. If irritation persists: Get medical advice/attention.	
First-aid measures after eye contact	: IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Remove contact lenses if present and easy to do so. If eye irritation persists: Get medical advice/attention.	
First-aid measures after ingestion	: IF SWALLOWED: Rinse mouth, Do NOT induce vomiting, Obtain emergency medical attention.	
4.2. Most important symptoms and effects, both acute and delayed		
Symptoms/injuries after skin contact	: Contact during a long period may cause irritation.	
Symptoms/injuries after eye contact	: Direct contact with the eyes is likely to be irritating.	
Chronic symptoms	: No data available.	

Indication of any immediate medical attention and special treatment needed 4.3.

No additional information available

SECTION 5: Firefighting measures		
5.1.	Extinguishing media	
Suitable	e extinguishing media	: Dry chemical. Carbon dioxide. Foam.
5.2.	Special hazards arising from	the substance or mixture
Fire ha:	zard	: This material is an NFPA IIIB combustible liquid.
Explosi	on hazard	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Reactiv	<i>r</i> ity	: No dangerous reactions known under normal conditions of use.
5.3.	Advice for firefighters	
Firefigh	ting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.
Protecti	ion during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

TION 6: Accidental release measures

6.1. Personal precaution	Personal precautions, protective equipment and emergency procedures	
General measures	: Keep sources of ignition away from spill. Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).	
6.1.1. For non-emergence	y personnel	
Protective equipment	: Wear Protective equipment as described in Section 8.	
Emergency procedures	: Evacuate unnecessary personnel.	
6.1.2. For emergency res	ponders	
Protective equipment	: Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.	

6.2. **Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

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For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Foam may be used to suppress vapors.
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).
6.4. Reference to other sections	
No additional information available	
SECTION 7: Handling and storage	

7.1. Precautions for safe handling Precautions for safe handling Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mists. Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container closed when not in use.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Unsaturated Methyl Esters (67762-26-9)	
Remark (ACGIH)	OELs not established
Remark (US OSHA)	OELs not established

2-(2-butoxyethoxy)ethanol (112-34-5)		
Remark (ACGIH)	TWA - 10 ppm	
Remark (US OSHA)	OELs not established	

Surfactant (Proprietary)	
Remark (ACGIH)	OELs not established
Remark (US OSHA)	OELs not established

8.2. Exposure controls

Appropriate engineering controls Personal protective equipment

- : Ensure adequate ventilation, especially in confined areas.
- : Gloves. Protective clothing. Protective goggles. Respiratory protection of the dependent type.



- : Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Natural rubber ("latex"), Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl.
- : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.
- : Wear suitable protective clothing.
- : An approved organic vapor respirator/supplied air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits.

Hand protection

Eye protection

Skin and body protection Respiratory protection

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and	chemical properties
Physical state	: Liquid
Appearance	: Clear
Color	: None to Amber
Odor	: Mild odor
Odor Threshold	: No data available
рН	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 204 °C (470 °F)
Flash point	: 94 °C (200 °F) Note: Minimum. Method: TCC
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: < 0.1 mm Hg @ 68 °F
Relative vapor density at 20 °C	: Heavier than air.
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available
9.2. Other information	
VOC content	: < 14 g/l
	*When determining VOC content in accordance with the requirem

*When determining VOC content in accordance with the requirements set forth by the Ozone Transport Commission (OTC), effective 01-01-2009

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Sparks. Heat. Open flame.

10.5. Incompatible materials

Avoid contact with : Oxidizing agent.

10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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Acute toxicity	: Not classified
Unsaturated Methyl Esters (67762-26-9)	
LD50 oral rat	> 17,500 mg/kg
LD50 dermal rat	> 2000 mg/kg
2-(2-butoxyethoxy)ethanol (112-34-5)	
LD50 oral rat	> 4500 mg/kg
LD50 dermal rabbit	> 2500 mg/kg
Surfactant (Proprietary)	
LD50 oral rat	> 1300 mg/kg
LD50 dermal rabbit	> 2 g/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Category 2A
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/injuries after inhalation	: Inhalation in high concentrations may cause irritation of the mucous membranes. Solvent vapors are hazardous and may cause nausea, sickness and headaches. Aspiration of this material into the lungs may cause chemical pneumonia or death.
Symptoms/injuries after skin contact	: Contact during a long period may cause light irritation.
Symptoms/injuries after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion	: Acute ingestion causes CNS depression, oropharyngeal and gastric pain and vomiting.
Chronic symptoms	: No data available.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Waste treatment methods	Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.	
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.	

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SECTION 14: Transport information

In accordance with DOT Transport document description : Cleaning Compound Department of Transportation (DOT) Hazard : Not Regulated Classes

Transport by sea

No additional information available

Air transport

No additional information available In accordance with ADR / RID / IMDG / IATA / ADN

SECTION 15: Regulatory information

15.1. US Federal regulations

Sentinel 909 Soybean Based Mastic Remover (VOC Compliant)

All chemical substances in this product are listed in the EPA (Environmental Protection Agency) TSCA (Toxic Substances Control Act) Inventory SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

Unsaturated Methyl Esters (67762-26-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

2-(2-butoxyethoxy)ethanol (112-34-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Surfactant (Proprietary)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

Unsaturated Methyl Esters (67762-26-9) Listed on the Canadian DSL (Domestic Substances List) inventory.

2-(2-butoxyethoxy)ethanol (112-34-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Surfactant (Proprietary)

Listed on the Canadian DSL (Domestic Substances List) inventory.

No additional information available

15.2.2. National regulations

2-(2-butoxyethoxy)ethanol (112-34-5)

Listed on Inventory of Existing Chemical Substances (IECSC) Listed on the AICS (the Australian Inventory of Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory. Listed on the Korean ECL (Existing Chemical List) inventory. Listed on the Philippines CCS (Chemicals & Chemical Substances) inventory.

Surfactant (Proprietary)

Listed on Inventory of Existing Chemical Substances (IECSC) Listed on the AICS (the Australian Inventory of Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory. Listed on the Korean ECL (Existing Chemical List) inventory. Listed on the Philippines CCS (Chemicals & Chemical Substances) inventory.

15.3. US State regulations

California Proposition 65

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This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information	
Indication of changes	: Revision 1.1 – 23 December 2015 - Section 15 Updated
Other information	: Author. KAD.
NFPA health hazard	: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard	: 1 - Must be preheated before ignition can occur. Materials in this degree require considerable preheating, under all ambient temperature condition, before ignition and combustion can occur.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 1
Flammability	: 1
Physical	: 0
Personal Protection	:

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