

Material Safety Data Sheet

July 30, 2017

REVIVE

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name : Shinebox REVIVE Professional Cleaner Wax
Product Identifier : SB-VIV
Product Family : aqueous mixture

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

Identified Uses : Automotive body detailing

1.3 Details of the supplier of the safety data sheet

Company : Shinebox Mfg.
PO Box 46194
Long Beach, CA 90806

1.4 Emergency Telephone Number

Emergency phone # : PERS NORTH AMERICA 1-800-633-8253
INTERNATIONAL 1-801-629-0667

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS

H316 CAUSES MILD SKIN IRRITATION

H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

Precautionary Statements

P102: Keep out of reach of children.

P273: Avoid release to the environment.

P301 IF SWALLOWED: FOLLOW INSTRUCTIONS IN FIRST AID.

P302: IF ON SKIN: FOLLOW INSTRUCTIONS IN FIRST AID.

P353: Rinse skin with water/shower.

P374: Fight fire with normal precautions from a reasonable distance.

P412: Do not expose to temperatures exceeding 122°F.

2.2 GHS Label elements, including precautionary statements

Pictogram



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3. COMPOSITION INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	WARNINGS	CONCENTRATION
Aliphatic naptha	64742-88-7	Skin irritant, environmental toxin	8 - 15%
Ceramic	66402-68-4		5 - 15%
Aluminum Oxide	1344-28-1		5 - 15%
Triethanolamine	102-71-6		.1 - 1%
Isopropyl Alcohol	6763-0		.5 - 3%
Oleic Acid	112-80-1		>2%
Polydimethylsiloxane	63148-62-9		>10%

4. FIRST AID MEASURES

First aid procedures

4.1 After Inhalation

Get victim to fresh air. Give artificial respiration or oxygen if breathing has stopped. Get prompt medical attention. Do not give fluids if victim is unconscious. If victim is conscious, rinse mouth with water and contact emergency number listed in section 1.4.

4.2 After contact with skin:

Immediately wash skin with soap and water. May cause irritation. Seek medical attention if irritation or allergic reaction is present.

4.3 After contact with eyes:

Immediately flush eyes with running water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Avoid agitation. Remove contact lenses if able. Immediately seek medical attention.

4.4 After ingestion:

Rinse mouth with water; do NOT induce vomiting. Immediately contact poison control center or emergency number listed in section 1.4. Never give anything by mouth to an unconscious person.

4.5 Advice to doctor / Treatment:

None known.

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5. FIREFIGHTING MEASURES

5.1 **Flashpoint**

Unknown, aqueous mixture

5.2 **Lower Explosion Limit**

Not applicable

5.3 **Upper Explosion Limit**

Not applicable

5.4 **Self Ignition**

Not applicable

5.5 **Ignition Temperature**

Not tested

5.6 **Hazardous Combustion Products**

Carbon oxides, copper oxides, tin oxides, zinc oxides, aluminum oxides

5.7 **Extinguishing Media**

Water spray, jet alcohol-resistant foam, carbon dioxide dry powder

5.8 **Special Fire Fighting Procedure**

Apply alcohol type or all-purpose type foams by manufacturer's recommended techniques for large fires, or water spray. Use carbon dioxide or dry chemical media for small fires. Use self-contained breathing apparatus and protective equipment. Cool endangered containers with water jet.

5.9 **Unusual Fire and Explosion Hazards**

May emit toxic fumes under fire conditions. Product can potentially float on water.

6. ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions**

Use personal protective equipment, recommended in section 8.

6.2 **Environmental Precautions**

Spillage may present a slipping hazard.

6.3 **Methods and Materials for Containment and Cleanup**

Contain large spills as best as possible. Dam flow with appropriate materials and absorb centralized spillage with inert material such as vermiculite, cat litter, or diatomaceous earth. Sweep and dispose of as needed. For small spills, wipe away and wash effected area.

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7. HANDLING AND STORAGE

7.1 Handling

Avoid allowing dried product to become airborne, as particles may irritate lungs. Wear gloves while in use, protect hands, face and skin from debris, particles and skin contact as best as possible. Abrasives present may irritate skin.

7.2 Storage

Store with caution. Do not store in temperatures above 120°F. Bottle/container may swell and or fumes accumulate. Store in adequate ventilation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Guideline Limits

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	CAS NUMBER 64742-89-8	
osha z1	time weighted average	500 ppm
ACGIH	time weighted average	300 ppm
ACGIH	time weighted average	1,370 mg/m ³

8.2 Engineering Controls

Adequate ventilation necessary.

8.3 Personal Protective Equipment (PPE)

Respiratory protection: Not normally required for use in well ventilated areas

Hand Protection: Handle with alkali resistant gloves. Gloves must be inspected prior to use. Remove gloves without touching the wet parts of the glove with bare skin.

Dispose of used or contaminated gloves after each use in accordance with local, applicable laws and good practices. Wash hands with soap and water after use.

Eye Protection: Use chemical splash goggles for eye protection that are tested and approved under appropriate government standards, such as NIOSH (US) or EN 166 (EU).

Skin and Body Protection: Work apron or protective clothing with long sleeves to prevent skin contact. Change to a dry apron or clothes if they become wet with product.

8.4 General Hygiene Considerations

Treat products as the sum of its components. Oxides and particulate matter may irritate lungs. Wash hands with mild soap and water before and after use and before eating, drinking or smoking.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical State

Liquid

9.2 Appearance

Viscous yellow fluid

9.3 Particle Size

Liquid and particle mixture. Particles may range from 50 - 400 nm

9.4 Odor

Benign

9.5 Odor Threshold

No data available

9.6 Molecular Formula and Weight

Mixture

9.7 Boiling Point

200°F

9.8 Decomposition Temperature

No available data

9.9 Melting Point

32°F

9.10 Freezing Point

32°F

9.11 Relative Density

1g/cm³

9.12 Bulk Density

No available data

9.13 Solubility in Water

100%

9.14 Solubility in Other Liquids

No available data

9.15 pH

6 - 8

9.16 Flash Point

No available data

10. STABILITY AND REACTIVITY

10.1 Chemical Stability

Stable under normal conditions.

10.2 Conditions to Avoid

Avoid extreme temperatures.

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10.3 Hazardous Decomposition Products

Carbon oxides, copper oxides, tin oxides, zinc oxides, and aluminum oxides.

10.4 Possibility of Hazardous Reactions

Do not bring into contact with oxidizers.

11. TOXICOLOGICAL INFORMATION

The information is provided for the component Aliphatic petroleum distillates at 100% strength. The amount of the component Aliphatic petroleum distillates present is low and therefore the effect of the component needs to be calculated for concentration and then taken into account. The concentrations of the components are further reduced at the advised and paint recommended dilution levels. Powdered oxides pose hazards as lung irritants if airborne.

11.1 Aliphatic Naphtha | Effects, Acute Exposure

Skin Contact: Little immediate effect; may be mildly irritating. Of 14 reported tests on rabbits, 7 rated this type of hydrocarbon "non irritating", 6 "irritating", with 1 inconclusive.

Skin Absorption: Slight; no toxic effects by this route.

Eye Contact: Liquid slightly irritating. 11 reported tests on rabbits all rated this type of hydrocarbon as "not irritating"; some reports suggest that vapor irritating above 150ppm.

Inhalation: 400ppm+ may cause burning sensation in nose and throat, intoxication dizziness, fatigue, may also cause diarrhea and stomach discomfort, although not a route of industrial exposure.

LD₅₀ (oral) 5,500 - 34,600 mg/kg (rat)

LD₅₀ (skin) 2,000 - 15,400 mg/kg (rabbit)

LD₅₀ (inhalation) 3,400 - 8,000 ppm (rat)

11.2 Acute Toxicity

LD₅₀ (oral) - Mouse - 5,846 mg/kg

Remarks: Behavioral convulsions or effect on seizure threshold. Diarrhea, kidney, bladder: other changes.

LD₅₀ (oral) - Rat - 5,530 mg/kg

Remarks: sense organs and special senses (nose, eye, ear and taste). Eye: Lacrimation. Diarrhea, skin and appendages. Other: hair.

LD₅₀ (oral) - Rabbit - 2,200 mg/kg

LD₅₀ (oral) - Guinea Pig - 2,200 mg/kg

Inhalation: No data available.

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LD₅₀ (oral) - Dermal - Rabbit - > 22.5 g/kg

LD₅₀ (oral) - Rat - 5,045 mg/kg

Remarks: Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Somolence (general depressed activity).

LD₅₀ (inhalation) - Rat - 8h - 16000 ppm

LD₅₀ (Dermal) - Rabbit - 12,800 mg/kg

No data available

11.3 **Skin Irritation / Corrosion**

Naphtha and Polydimethylsiloxane are known skin irritants under certain repeated prolonged exposure.

11.4 **Eye Irritation / Corrosion**

Particulate matter may cause eye irritation. Aliphatic Naphtha, oleic acid and triethanolamine are eye irritants. Exercise caution.

11.5 **Effects of Short Term (Acute) Exposure**

No data available.

11.6 **Inhalation**

No data available.

11.7 **Ingestion**

No data available.

12. **ECOLOGICAL TOXICITY**

12.1 **General Comments**

No known components of this formula that are potentially environmentally hazardous are known bioaccumulators or otherwise no data is available enough to determine an appropriate designation.

12.2 **Aliphatic Naphtha**

Bioaccumulation

This product is not a bioaccumulator.

Biodegradation

Biodegrades slowly in the presence of oxygen (rate unknown); much faster in acclimated (polluted) water than pristine water (should be under 30 days in sewage treatment facility).

Abiotic Degradation

Reacts with atmospheric hydroxyl radicals; estimated 1/2 life in air is less than 1 day.

Mobility in Soil and Water

Water insoluble; low soil mobility; absorbs to soil helping remain stationary.

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Aquatic Toxicity

LC₅₀ (Fish, 96hr) 45 mg/l emulsified, 18 - 20 mg/l water soluble (Pimephelas promelas) *NOTE: Mineral spirits is essentially water insoluble. These tests recognize this. The 1st test emulsified the product, the 2nd equilibrated it with water, then tested.*

LC₅₀ (Crustacea, 48hr) 1.4, 1.9, 3 - 10, 21 & 40 - 89 mg/l (Daphnia magna)

LC₅₀ (Algae, 72hr) 1 - 3, 4.3 5.0, 8.3 & 10 - 30 mg/l (Pseudokirchnerella subcapitata)

LC₅₀ (Bacteria) 678 mg/l (Tetrahymena pyriformis - computer estimate)

12.3 Isopropyl Alcohol

Aquatic Toxicity

LC₅₀ (Fish) Pimephales promelas (fathead minnow) - 9,600 mg/l - 96h

EC₅₀ Daphnia magna (water flea) - 5,102 mg/l - 24 h
Immobilization Daphnia magna (water flea) - 6,851 mg/l - 24 h

EC₅₀ Desmodesmus subspicatus (green algae) - > 2,000 mg/l -72 h

EC₅₀ Algae - > 1,000 mg/l - 24 h

13. DISPOSAL CONSIDERATIONS

13.1 Disposal

Dispose of in accordance with federal, provincial and local government regulations. Containers should NOT be re-used. Containers should be disposed of in accordance with government guidelines.

14. TRANSPORT INFORMATION

14.1 Shipping Information

Product is not UN rated. Product is not flammable or known to have any restrictions in transport. Ensure, before use, that product is not restricted by any state, local or federal environmental restrictions not otherwise stated.

14.2 Special Shipping Information

Not applicable.

HMIS

HEALTH 1

FLAMMABILITY 0

REACTIVITY 0

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15. REGULATORY INFORMATION

- 15.1 Pennsylvania Right to Know Components**
Oleic Acid CAS-NO. 112-80-1 Revision Date: 1989-08-11
- 15.2 New Jersey Right to Know Components**
Oleic Acid CAS-NO. 112-80-1 Revision Date: 1989-08-11
- 15.3 Massachusetts Right to Know Components**
2,2',2" - Nitrilotriethanol CAS-NO 102-71-6 Revision Date: 1993-04-24
- 15.4 Pennsylvania Right to Know Components**
2,2',2" - Nitrilotriethanol CAS-NO 102-71-6 Revision Date: 1993-04-24
- 15.5 New Jersey Right to Know Components**
2,2',2" - Nitrilotriethanol CAS-NO 102-71-6 Revision Date: 1993-04-24
- 15.6 California**
Product is not known at this time to contain any California Prop 65 materials.

16. OTHER INFORMATION

**16.1 SDS Prepared by Disclaimer
Shinebox Mfg., LLC.**

This health and safety information is correct to the best of our knowledge and belief at the date of its publication, but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, to maintain revised copies of this information to be requested. When applicable, revised copies shall be sent to or made available to customers whom have been directly supplied with this substance. It must be known that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the user. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee and specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the office address contained in this sheet.