

Safety Data Sheet (SDS)

Section 1 - Chemical Product and Company Information

Product Name: SB2235 ShoreStrip II

Product Code: B148

Manufacturer:
Shore Corporation
2917 Spruce Way
Pittsburgh, PA 15201

Telephone 412-471-3330
Toll free 800-860-4978
Fax 412-471-3260
www.shorecorporation.com

In case of transportation or
chemical emergency contact:

ChemTel, Inc
1-800-255-3924 (24 hours)

Product Use: Paint Remover
Not recommended for:

Section 2 - Hazards

According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200

GHS Ratings:

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity ≥ 3 , Iritis > 1.5
Reproductive toxin	1B	Presumed, Based on experimental animals

GHS Hazards

H315	Causes skin irritation
H318	Causes serious eye damage
H360	May damage fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P264	Wash hands and exposed skin thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see Section 4 on this SDS)
P362	Take off contaminated clothing and wash before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P308+P313
P332+P313
P405
P501

IF exposed or concerned: Get medical advice/attention
If skin irritation occurs: Get medical advice/attention
Store locked up
Dispose of contents/container in accordance with local/ regional/ national/
regulations.

Signal Word: Danger



Preexisting skin, eye, and respiratory disorders may be aggravated by exposure to this product. .

Section 3 - Composition

Chemical Name	CAS number	Weight Concentration %
Benzyl alcohol	100-51-6	20.00% - 30.00%
N-Methylpyrrolidone	872-50-4	10.00% - 20.00%
Dimethyl glutarate	1119-40-0	10.00% - 20.00%
Propylene glycol phenyl ether	770-35-4	10.00% - 20.00%
Alcohols, C9-11, ethoxylated	68439-46-3	5.00% - 10.00%
Dimethyl Succinate	106-65-0	5.00% - 10.00%
Dimethyl Adipate	627-93-0	5.00% - 10.00%

Section 4 - First Aid Measures

INHALATION - Take affected persons out into the fresh air. Supply fresh air; consult doctor in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.
In case of irregular breathing or respiratory arrest provide artificial respiration.
In case of unconsciousness place patient stably in side position for transportation.

EYE CONTACT - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes.

SKIN CONTACT - Immediately remove any clothing soiled by the product.
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

INGESTION - If material is ingested, seek immediate medical attention. If vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs.

Notes to Physician: If swallowed, gastric irrigation with added, activated carbon.
If swallowed or in case of vomiting, danger of entering the lungs.
If necessary oxygen respiration treatment.

Section 5 - Fire Fighting Measures

Flash Point: >96C

LEL: 1.00

UEL: 9.00

EXTINGUISHING MEDIA: Use carbon dioxide (CO₂), "alcohol" foam, dry chemical, or sand.

UNUSUAL FIRE OR EXPLOSION HAZARDS: The product vapor is heavier than air and may travel a considerable distance to a source of ignition and flashback.

HAZARDOUS COMBUSTION PRODUCTS: See section 10 for a list of hazardous decomposition products for this mixture.

FIRE FIGHTING: If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

FIRE FIGHTING EQUIPMENT: Firemen and emergency responders: wear full turnout gear or Level A equipment, including positive-pressure, self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

SPILL AND LEAK PROCEDURES: Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.

SMALL SPILLS: Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

LARGE SPILLS: Prevent this material from entering sewers and watercourses by diking or impounding the spilled material. Advise authorities if the product has entered or may enter, sewers, watercourses, or extensive land areas.

Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes.

Label the waste container. Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

Section 7 - Handling and Storage

HANDLING PRECAUTIONS: Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers closed when not in use. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C).

STORAGE: Requirements to be met by storerooms and receptacles:

Store in a cool location.

Provide ventilation for receptacles.

Avoid storage near extreme heat, ignition sources or open flame.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidizing agents.

Do not store together with acids.

· **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Keep container tightly sealed.

REGULATORY REQUIREMENTS: No data found.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Benzyl alcohol 100-51-6	Not Established	Not Established	WEEL 10.0 ppm
N-Methylpyrrolidone 872-50-4	Not Established	Not Established	Not Established
Dimethyl glutarate 1119-40-0	Not Established	Not Established	Not Established
Propylene glycol phenyl ether 770-35-4	Not Established	Not Established	Not Established
Alcohols, C9-11, ethoxylated 68439-46-3	Not Established	Not Established	Not Established
Dimethyl Succinate 106-65-0	Not Established	Not Established	Not Established
Dimethyl Adipate 627-93-0	Not Established	Not Established	Not Established

ENGINEERING: Do not use near fire or flame.

VENTILATION: Use only with adequate ventilation, i.e., ventilation in compliance with occupational exposure limits. Use mechanical ventilation to reduce buildup of vapors in enclosed areas.

ADMINISTRATIVE CONTROLS: Read SDS and follow recommended procedures.

PROTECTIVE EQUIPMENT: Wear splash goggles. If extra protection is required, wear a face shield over the splash goggles. Face shields are effective only if worn in addition to splash goggles.

Wear a chemical-resistant, butyl-rubber apron and other protective clothing, as deemed appropriate, to avoid skin contact with material.

Wear chemical-resistant gloves (butyl rubber or neoprene). Protective gloves should be inspected frequently and discarded when they exhibit cuts, tears, pinholes, or signs of excessive wear.

Respiratory protection may not be needed if the local exhaust is sufficient to maintain levels of hazardous ingredients below occupational exposure limits. If needed, use a NIOSH/MSHA approved respirator equipped with a full facepiece, organic vapor cartridges, and high-efficiency, particulate air (HEPA) filters. Do not use respirators

beyond their capabilities. FOR EMERGENCIES AND UNKNOWN CONCENTRATIONS, use supplied-air respiratory protection or a positive-pressure, self-contained breathing apparatus (SCBA).

CONTAMINATED EQUIPMENT: Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

Appearance: Viscous amber liquid	Odor: Mild solvent
Vapor Pressure: 0.16 mmHg @ 865°C	Odor threshold: No Data
Vapor Density: 4.3	pH: ~6
Specific Gravity: 1.02	Melting point: Calculated
Freezing point: No Data	Solubility: No Data
Boiling range: 96°C	Flash point: >94C
Evaporation rate: No Data	Flammability: No Data
Partition coefficient (n-octanol/water): No Data	Autoignition temperature: No Data
Decomposition temperature: No Data	Viscosity: No Data
Grams VOC less water: No Data	

Section 10 - Stability and Reactivity

Stability: Hazardous polymerization will not occur.

STABLE

Components of this mixture are incompatible with the following materials: Oxidizers. This mixture may soften certain plastics and rubbers.

This mixture is likely to exhibit the following combustion products:

Oxides of carbon and nitrogen

Section 11 - Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 2,538mg/kg

Dermal Toxicity LD50: 4,838mg/kg

Inhalation Toxicity LC50: 42mg/L

Component Toxicity

872-50-4

N-Methylpyrrolidone

Oral LD50: 4,150 mg/kg (rat) Inhalation LC50: 5 mg/L (rat)

770-35-4

Propylene glycol phenyl ether

Oral LD50: 2,930 mg/kg (rat) Dermal LD50: 2,001 mg/kg (rat)

68439-46-3

Alcohols, C9-11, ethoxylated

Oral LD50: 2,001 mg/kg (rat) Dermal LD50: 3,300 mg/kg (rat)

106-65-0

Dimethyl Succinate

Dermal LD50: 5,000 mg/kg (Rabbit) Inhalation LC50: 2,000 mg/L (Rat Male & Female)

627-93-0

Dimethyl Adipate

Oral LD50: 5,000 mg/kg (Rat Male & Female) Dermal LD50: 1,000 mg/kg (Rabbit Male & Female)

Exposure to this material may affect the following organs:

Effects of Overexposure

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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Section 12 - Ecological Information
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Ecological information: No data found.

Component Ecotoxicity

Benzyl alcohol

Toxicity to fish

LC50 - Lepomis macrochirus (Bluegill) - 10 mg/l - 96 h

LC50 - Pimephales promelas (fathead minnow) - 460 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates

EC50 - Daphnia magna (Water flea) - 55 mg/l - 24 h

- Daphnia magna (Water flea) - 230 mg/l - 48 h

(OECD Test Guideline 202)

N-Methylpyrrolidone

Toxicity to fish

LC50 (96 h) > 500 mg/l, Salmo gairdneri, syn. O. mykiss (static)

The details of the toxic effect relate to the nominal concentration.

Aquatic invertebrates

EC50 (24 h) > 1,000 mg/l, Daphnia magna (DIN 38412 Part 11, static)

The details of the toxic effect relate to the nominal concentration.

Aquatic plants

EC50 (72 h) > 500 mg/l, Scenedesmus subspicatus (DIN 38412 Part 9)

The details of the toxic effect relate to the nominal concentration.

Dimethyl glutarate

Toxicity to fish: Static test LC50 - Lepomis machrochirus (Blugill) - 30.838 mg/l - 96 h

Biodegradability >=60% - Readily Biodegradable (OECD Test Guideline 301D)

Propylene glycol phenyl ether

Toxicity to fish: LC50 - Pimephales promelas (fathead minnow) - 280 mg/l

Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) - 370 mg/l

Alcohols, C9-11, ethoxylated

Toxicity to fish - Components

Alcohols, C9-11, ethoxylated LC50 (96 h) : 1 - 10 mg/l Species : Fathead minnow (Pimephales promelas).

Toxicity to daphnia - Components

Alcohols, C9-11, ethoxylated EC50 (48 h) : 1 - 10 mg/l Species : Daphnia

Toxicity to algae - Components

Alcohols, C9-11, ethoxylated ErC50 (96 h) : 1 - 10 mg/l Species : Algae.

Dimethyl Succinate

Toxicity to fish: Semi-static test LC50 - Danio rerio (zebra fish) - 50 - 100 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates: Static test EC50 - Daphnia magna (Water flea) -> 100 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae: Static test EC50 - Pseudokirchneriella subcapitata -> 100 mg/l - 72 h (OECD Test Guideline 201)
Toxicity to bacteria: Growth inhibition EC50 - Sludge Treatment -> 1,000 mg/l - 3 h (OECD Test Guideline 209)
Biodegradability: Aerobic - Exposure time 28 d - Result: 74.1% - Readily biodegradable (OECD Test Guideline 301B)

Dimethyl Adipate

Toxicity to daphnia and other aquatic invertebrates: Static Test EC50 - Daphnia magna (Water flea) - 72 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae: Status Test - Pseudokirchneriella subcapitata -> 100 mg/l - 72 h (OECD Test Guideline 201)

Section 13 - Disposal Considerations

As the US EPA, state, regional, and other regulatory agencies may have jurisdiction over the disposal of your facility's hazardous waste, it is incumbent upon you, the hazardous waste generator, to learn of and satisfy all the requirements which affect you. Dispose of the hazardous waste at a properly licensed and permitted disposal site or facility. Ensure conformity to all applicable hazardous waste disposal regulations.

The US EPA Hazardous Waste Numbers which follow are applicable to this unadulterated product if the product enters the "waste stream." Refer to Title 40 of the Code of Federal Regulations, Part 261 (40 CFR 261). This part of the Code identifies solid wastes which are subject to regulation under various sections of the Code and which are subject to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act (RCRA).

Section 14 - Transport Information

This material is classified for transport as follows:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
US DOT	Non Regulated			

Section 15 - Regulatory Information

Additional regulatory listings, where applicable.

The following chemicals are listed in MA RTK
872-50-4 N-Methylpyrrolidone 10 to 20 %
100-51-6 Benzyl alcohol 20 to 30 %

The following chemicals are on the NJ RTK list:
627-93-0 Dimethyl Adipate 5 to 10 %
106-65-0 Dimethyl Succinate 5 to 10 %
1119-40-0 Dimethyl glutarate 10 to 20 %
872-50-4 N-Methylpyrrolidone 10 to 20 %
100-51-6 Benzyl alcohol 20 to 30 %

The following chemicals are on the PA RTK list
627-93-0 Dimethyl Adipate 5 to 10 %
106-65-0 Dimethyl Succinate 5 to 10 %
1119-40-0 Dimethyl glutarate 10 to 20 %
872-50-4 N-Methylpyrrolidone 10 to 20 %
100-51-6 Benzyl alcohol 20 to 30 %

Country

Canada
US

Regulation

Canadian Domestic Substances List
Toxic Substances Control Act

All Components Listed

Yes
Yes

EU Risk Phrases

Safety Phrase

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

Section 16 - Other Information

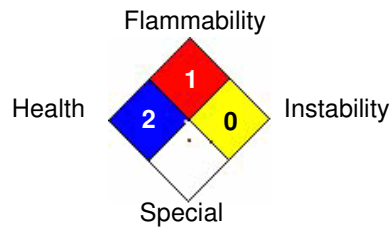
Hazardous Material Information System (HMIS)

HEALTH	<input type="text" value="2"/>
FLAMMABILITY	<input type="text" value="1"/>
PHYSICAL HAZARD	<input type="text" value="0"/>
PERSONAL PROTECTION	<input type="text"/>

HMIS & NFPA Hazard Rating Legend

- * = Chronic Health Hazard
- 0 = INSIGNIFICANT
- 1 = SLIGHT
- 2 = MODERATE
- 3 = HIGH
- 4 = SEVERE

National Fire Protection Association (NFPA)



DISCLAIMER AND NON-WARRANTY: This Safety Data Sheet was prepared by Shore Corporation and is correct to the best of our knowledge, information and belief at the date of its publication. The information came from raw material suppliers, regulatory databases, and/or third parties with expertise in this area. This information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. No warranties of any kind, either expressed or implied, including warranties of the accuracy of the information presented and the suitability of a product for a particular purpose.

Reviewer Revision

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