

SAFETY DATA SHEET

In accordance with OSHA 29 CFR 1910.1200

FORBO SUSTAIN 1195
Revision Number 2

Revision date 20-Mar-2025
Supersedes date 20-May-2019

1. Identification

1.1. Product identifier

Product Name FORBO SUSTAIN 1195

Other means of identification

Other information 30631679, 30855865

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

Recommended use Adhesives
Restrictions on use No information available

1.3. Details of the supplier of the safety data sheet

Responsible Party

Forbo Flooring NA
Humbolt Industrial Park
8 Maplewood Drive
Hazelton, PA 18202 USA

Phone: +1 (800) 842-7839
www.forboflooringna.com

1.4. Emergency telephone number

Emergency Telephone CHEMTREC (Chemical Transportation Emergency Center)
Chemtrec: 1-800-424-9300 (US), 1-703-527-3887 (Outside U.S.)
Use ref#: CCN833717.
Rocky Mountain Poison Center: 1-866-767-5089

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A

Hazards not otherwise classified (HNOC)

Not applicable

2.2. Label elements

EMERGENCY OVERVIEW

Warning

Hazard statements

Causes skin irritation
Causes serious eye irritation

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Appearance Liquid

Physical state Liquid

Odor Slight

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of water and soap
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse

2.3. Other Information

No information available.

3. Composition/information on ingredients

3.1. Substances

Not applicable.

Mixture

Chemical name	CAS No.	Weight-%
Glass, oxide, chemicals	65997-17-3	10 - 30
2-(Dimethylamino)ethanol	108-01-0	1 - <5
Zinc pyrithione	13463-41-7	<0.1

**The exact percentage (concentration) of composition has been withheld as a trade secret*

4. First-aid measures

4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

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Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin contact	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

4.2. Most important symptoms and effects, both acute and delayed

Symptoms	May cause redness and tearing of the eyes. Burning sensation.
Effects of Exposure	No information available.

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

Note to physicians	Treat symptomatically.
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5. Fire-Fighting Measures

5.1. Extinguishing media

Suitable Extinguishing Media	Water spray, carbon dioxide (CO ₂), dry chemical, alcohol-resistant foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	No information available.
Hazardous combustion products	Nitrogen oxides (NO _x). Silicon dioxide.

Explosion data

Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
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6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Do not touch
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damaged packages or spilled material.

Other information

Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Environmental precautions

Keep people away from and upwind of spill/leak. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment

Stop leak if you can do it without risk.

Methods for cleaning up

Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

Reference to other sections

See section 8 for more information. See section 13 for more information.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

Recommended storage temperature Keep at temperatures between 41 and 95 °F / 5 and 35 °C.

7.3 References to other sections

Reference to other sections

Section 10: STABILITY AND REACTIVITY
Section 13: DISPOSAL CONSIDERATIONS

8. Exposure Controls/Personal Protection

8.1. Control parameters

Exposure Limits

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Glass, oxide, chemicals 65997-17-3	TWA: 1 fiber/cm ³ respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at	-	-

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	400-450X magnification [4-mm objective], using phase-contrast illumination TWA: 5 mg/m ³ inhalable particulate matter		
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Chemical name	Argentina	Brazil	S.D. 594/1999	Colombia
Glass, oxide, chemicals 65997-17-3	TWA-CMP: 1 fiber/cm ³ ; TWA-CMP: 5 mg/m ³ ; inhalable fraction	TWA: 1 fiber/cm ³	-	TWA: 1fiber/cm ³ TWA: 5mg/m ³

Chemical name	Costa Rica	Peru	Uruguay	Venezuela
Glass, oxide, chemicals 65997-17-3	-	-	1 fiber/cm ³ TWA (respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination, listed under Synthetic vitreous fibers); 5 mg/m ³ TWA (inhalable particulate matter, listed under Synthetic vitreous fibers)	-

8.2. Exposure controls

Appropriate engineering controls

Engineering controls Showers
 Eyewash stations
 Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Avoid contact with eyes.

Hand protection Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

Skin and body protection Wear suitable protective clothing.

Respiratory protection Use appropriate respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations Wear suitable gloves and eye/face protection. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Wash hands and face before breaks and immediately after handling the product. Take off contaminated clothing and wash before reuse. Regular

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cleaning of equipment, work area and clothing is recommended.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Color	Light green
Odor	Slight
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	100 °C / 212 °F	
Flash point	> 100 °C / 212 °F	
Evaporation rate	1.0	
Flammability	No data available	
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Relative vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	Dispersible	
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

9.2. Other information

Explosive properties	No information available	
Oxidizing properties	No information available	
Solvent content (%)	No information available	
Solid content (%)	No information available	
Softening point	No information available	
Molecular weight	No information available	
VOC content		No information available
Density	No information available	
Bulk density	No information available	

10. Stability and Reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

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Chemical stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Do not freeze.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon monoxide Carbon dioxide (CO₂) Hydrocarbons

11. Toxicological information

11.1. Information on toxicological effects

Product Information

Inhalation May cause irritation of respiratory tract.
Eye contact Causes serious eye irritation. May cause redness, itching, and pain.
Skin contact Causes skin irritation.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 176,764.70 mg/kg
ATEmix (dermal) 119,607.80 mg/kg
ATEmix (inhalation-gas) >20000 ppm
ATEmix (inhalation-dust/mist) 49.10 mg/l
ATEmix (inhalation-vapor) 294.10 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Glass, oxide, chemicals 65997-17-3	>2000 mg/Kg Rattus	-	LC50 > 0.691 mg/l (Rattus) 4-Hr
2-(Dimethylamino)ethanol 108-01-0	=1803 mg/kg (Rattus)	= 1220 mg/kg (Oryctolagus cuniculus) = 1370 µL/kg (Oryctolagus cuniculus)	=1641 ppm (Rattus) 4 h
Zinc pyrithione	=177 mg/kg (Rattus)	>2000 mg/kg (Oryctolagus	4h = 1.03 mg/L (Rattus) 4 h

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13463-41-7		cuniculus) (EPA OPP 81-2)	
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Classification based on data available for ingredients. Causes skin irritation.
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes serious eye irritation.
Respiratory or skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Glass, oxide, chemicals 65997-17-3	-	Group 3	-	-

Legend

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT - single exposure	Based on available data, the classification criteria are not met.
STOT - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Other adverse effects	No information available.
Interactive effects	No information available.

12. Ecological information

12.1. Toxicity

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2-(Dimethylamino)ethanol 108-01-0	EC50: =35mg/L (72h, Desmodesmus subspicatus)	LC50: =81mg/L (96h, Pimephales promelas)	-	EC50: =98.77mg/L (48h, Daphnia magna)
Zinc pyrithione 13463-41-7	EC50 (72hr) 0.0013 mg/l (Skeletonema costatum) (ISO 10253) 0.051 mg/l	EC50(96hr) 0.0104 mg/l (Brachydanio rerio) (OECD 203)	-	EC50 (48h) =0.038 mg/L Crustaceans (Ilyocypris dentifera)

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	(Pseudokirchneriella subcapitata) (OECD 201)			
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12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient
2-(Dimethylamino)ethanol 108-01-0	-0.55
Zinc pyriithione 13463-41-7	1.21

12.4. Mobility in soil

Mobility No information available.

Other adverse effects

Other adverse effects No information available.

13. Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Contaminated packaging Dispose of in accordance with federal, state and local regulations.

14. Transport information

Note: Keep from freezing.

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory Information

International Inventories

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TSCA	Complies
DSL	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substances List

Complies - The components of this product are either listed or exempt from listing on inventory. Active

Not Listed - One or more components of this product are not listed on inventory.

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

16. Other Information

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend

SVHC: Substances of Very High Concern for Authorization:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances

vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

STOT: Specific Target Organ Toxicity

ATE: Acute Toxicity Estimate

LC50: 50% Lethal Concentration

LD50: 50% Lethal Dose

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling Maximum limit value

Sk*

Skin designation

Revision date 20-Mar-2025

Revision Note SDS sections updated. 3.

Disclaimer

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End of Safety Data Sheet