

Safety Data Sheet

In accordance with Hazardous Products Regulations (HPR) (SOR/2015-17)

Forbo L910W
Revision Number 1

Revision Date 03-May-2019
Supersedes Date: 03-May-2019

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier

Product Name Forbo L910W Other

means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Adhesives

Uses advised against No information available

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

Emergency telephone number

Phone: +1 (800) 842-7839

2. Hazards Identification

Classification

Reproductive toxicity	Category 2
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Label elements

Warning

Hazard statements

Suspected of damaging fertility or the unborn child



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Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

Unknown acute toxicity 48 % of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/information on Ingredients

Substance

Not applicable.

Mixture

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Kaolin	1332-58-7	10 - 30	-	-
Quartz	14808-60-7	1 - 5	-	-
Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene	68610-51-5	0.1 - 1	-	-

4. First Aid Measures

FIRST AID

Inhalation IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not rub affected area. If eye irritation persists: Get medical advice/attention.

Skin contact Wash off immediately with plenty of water for at least 15 minutes. In the case of skin irritation or allergic reactions see a physician.

Ingestion Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-Fighting Measures

Suitable extinguishing media Water spray or fog. Carbon dioxide (CO₂). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Full water jet.

Specific hazards arising from the chemical No information available.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO₂). Hydrocarbons.

Explosion Data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental Release Measures

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. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Other information Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

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7. Handling and Storage

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. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep out of the reach of children. Keep in properly labeled containers. Keep from freezing. Keep containers tightly closed in a dry, cool and well-ventilated place.

Reference to other sections

Section 10: STABILITY AND REACTIVITY

8. Exposure Controls/Personal Protection

Control parameters

Exposure Limits

. This product contains substances which in their raw state are powder form, however in this product they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product.

Chemical name	Alberta	British Columbia	Ontario TWA	Quebec
Kaolin 1332-58-7	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 5 mg/m ³
Quartz 14808-60-7	TWA: 0.025 mg/m ³	TWA: 0.025 mg/m ³	TWA: 0.10 mg/m ³	TWA: 0.1 mg/m ³

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).

Hand protection

Wear suitable gloves.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

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 thoroughly after handling. Take off contaminated clothing and wash it before reuse. Regular cleaning of equipment, work area and clothing is recommended.

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9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Paste
Color	No information available
Odor	No information available
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point / freezing point	No data available	
Boiling point / boiling range	100 °C / 212 °F	
Flash Point	> 100 °C / 212 °F	
Evaporation Rate	No data available	
Flammability (solid, gas)	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor Pressure	No data available	
Vapor Density	No data available	
Relative Density	No data available	
Water Solubility	Insoluble	
Solubility in Other Solvents	No data available	
Partition coefficient	No data available	
Autoignition Temperature	No data available	
Decomposition Temperature	No data available	
Kinematic Viscosity	No data available	
Dynamic Viscosity	No data available	
Explosive properties	No information available.	
Oxidizing properties	No information available.	
<u>Other information</u>		
Softening Point	No information available	
Molecular Weight	No information available	
Density	1.100 g/cm ³	
Bulk Density	No information available	
Solid content (%)	No information available	
VOC (volatile organic compound)	No information available	

10. Stability and Reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Keep from freezing.
Incompatible materials	None known based on information supplied.

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Hazardous decomposition products Carbon monoxide. Carbon dioxide (CO2). Hydrocarbons.

11. Toxicological Information

Information on likely routes of exposure

Product Information

Inhalation	Based on available data, the classification criteria are not met.
Eye contact	Based on available data, the classification criteria are not met.
Skin contact	Based on available data, the classification criteria are not met.
Ingestion	Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document .
ATEmix (oral) 17,056.10 mg/kg

Unknown acute toxicity

48 % of the mixture consists of ingredient(s) of unknown toxicity
21 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
21 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
38 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
38 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
48 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Kaolin 1332-58-7	LD50 (rat) > 2000 mg/kg	> 5000 mg/kg (Rat)	1.5 mg/l 4hr
Quartz 14808-60-7	>2000 mg/kg (Rat)	-	-
Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene 68610-51-5	> 5000 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	> 165 mg/L (Rat) 1 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.

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Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. As Quartz (14808-60-7) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses.

Chemical name	ACGIH	IARC	NTP	OSHA
Quartz 14808-60-7	A2	Group 1	Known	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity Classification based on data available for ingredients. Contains a known or suspected reproductive toxin.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target Organ Effects No information available.

Subchronic Toxicity No information available.

Neurological Effects No information available.

Other Adverse Effects No information available.

Aspiration hazard No information available.

12. Ecological Information

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Kaolin 1332-58-7	IC 50 (72h) > 1000 mg/l	LC 50 (96h) > 1000 mg/l	-	EC 50 (48h) > 1000 mg/l (Daphnia magna)
Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene 68610-51-5	EC50: >0.2mg/L (72h, Pseudokirchneriella subcapitata)	LC50: >0.2mg/L (96h, Oncorhynchus mykiss)	-	EC50: >0.2mg/L (48h, Daphnia magna)

Persistence and degradability No information available.

Bioaccumulative potential No information available.

Chemical name	Partition coefficient
Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene 68610-51-5	7.93

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Mobility in soil No information available

Other Adverse Effects No information available.

13. Disposal Considerations

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 Do not reuse empty containers.

14. Transport Information

Note: Keep from freezing

TDG Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory Information

NPRI - National Pollutant Release Inventory
No component is listed on the NPRI above the threshold

International Inventories

TSCA	Listed
DSL	Listed

Legend:

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

DSL - Canadian Domestic Substances List

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

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

16. Other information, including date of preparation of the last revision

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

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)
Ceiling Maximum limit value * Skin designation

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Revision note No information available.

Disclaimer

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End of Safety Data Sheet