SAFETY DATA SHEET

OSHA Hazard Communication Standard (29 CFR 1910.1200) · WHMIS 2015 / HPR

MINERAL ARMOR CARPET DEFENDER RTU

Ready-to-use carpet protector

SDS date: 10/01/2026
Version 2.01

1. Identification

Product name	MINERAL ARMOR CARPET DEFENDER RTU
Other identification	MINERAL ARMOR CARPET DEFENDER Ready-to-use mixture.
Recommended use	Protective carpet oating.
Restrictions on use	Reserved for industrial and professional use.
Supplier	MINERAL ARMOR, 30735 Durand Avenue, Burlington, WI 53105 USA
Telephone	+1 414-788-9208
Email	SALES@MINERALARMOR.COM
Emergency telephone	+1 414-788-9208

ZIP code corrected from 63105 to 53105 (Burlington, Wisconsin). Confirm before distribution.

2. Hazard(s) identification

Classification (OSHA HCS 2012 / HPR)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Acute oral toxicity	Not classified. Acute Toxicity Category 5 is not adopted under OSHA HCS or WHMIS.

Label elements

Pictogram	Exclamation mark
Signal word	WARNING
Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation.

Precautionary statements

Prevention	P264 Wash hands and any exposed skin thoroughly after handling. P280 Wear protective gloves and eye protection/face protection. P102 Keep out of reach of children. P103 Read label before use.
Response	P302+P352 IF ON SKIN: Wash with plenty of water. P321 Specific treatment: wash thoroughly with soap and water. P332+P313 If skin irritation occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.
Storage	No storage statement is required for this classification. Keep container tightly closed. See Section 7.
Disposal	P501 Dispose of contents/container in accordance with local, state, and federal regulations.

Hazards not otherwise classified: None known to the supplier.

Unknown acute toxicity: No ingredient of unknown acute toxicity is present at or above 1%.

3. Composition / information on ingredients

Mixture. Exact concentrations are withheld as a trade secret.

Ingredient	Weight %	CAS No.
Silicic acid, potassium salt (potassium silicate)	3 – 8	Trade Secret
Potassium methylsiliconate	0.2 – 1	Trade Secret
Water and other non-hazardous components	Balance	7732-18-5 (water)

CAS numbers are the published identities for the ingredients named in Section 15. Exact percentages remain a trade secret.

4. First-aid measures

Eye contact	Rinse cautiously with potable water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
Skin contact	Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Seek medical attention if breathing is difficult.
Ingestion	Rinse mouth with water. Do not induce vomiting. Get medical advice/attention if you feel unwell.
Most important symptoms	Redness, pain, and irritation of the eyes. Redness and irritation of the skin. Delayed effects are not expected under normal use.
Notes to physician	Treat symptomatically. No specific antidote is known.

5. Fire-fighting measures

Suitable extinguishing media	Use extinguishing measures appropriate to the surrounding fire. The product is not flammable.
Unsuitable media	None known.
Specific hazards	Not flammable or combustible. Not an explosion hazard under normal conditions.
Hazardous combustion products	Silicon oxides and potassium oxides. Small amounts of carbon oxides may form from the organic siliconate.
Advice for firefighters	Wear standard protective equipment and self-contained breathing apparatus if the surrounding fire requires it. Do not breathe fumes. Fire residues and contaminated extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

Personal precautions

Ensure adequate ventilation. Keep unnecessary people away from the spill. Avoid contact with skin, eyes, and clothing, and avoid breathing spray mist. Clean-up should be done by trained personnel. See Sections 7 and 8.

Environmental precautions

Do not allow the product to enter soil, surface water, or groundwater. For large spills, dike the material so runoff does not reach a waterway.

Methods for containment and cleaning up

Stop the leak if it is safe to do so. Contain the spill and collect it with a non-combustible absorbent (sand, earth, diatomaceous earth, or vermiculite). Place in a container for disposal under Section 13. Flush traces with water.

7. Handling and storage

Precautions for safe handling

Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Use only in well-ventilated areas. Avoid breathing vapors or spray mist. Remove and wash contaminated clothing and footwear before reuse. Do not eat, drink, or smoke when using this product.

Conditions for safe storage

Store between 5 °C and 40 °C (41 °F to 104 °F). Keep from freezing. Keep the container sealed when not in use. Keep out of reach of children. Incompatible with acids and oxidizing agents.

Specific end use

Protective floor coating. Ready to use; do not dilute further unless directed by product instructions.

8. Exposure controls / personal protection

Occupational exposure limits

No OSHA PEL, ACGIH TLV, or other occupational exposure limit is established for the ingredients in this mixture.

Engineering controls

General dilution ventilation that cycles fresh air through the work area is normally sufficient. Provide an eyewash station where splashing is possible.

Personal protective equipment

Eye/face	Wear eye protection or face protection (chemical splash goggles).
Hands	Wear protective gloves. Neoprene or rubber gloves are suitable.
Skin/body	Long sleeves. An apron is recommended where splashing is likely.
Respiratory	Not normally required. If spray mist is generated above comfortable levels, use an appropriate certified respirator.
Hygiene	Handle in accordance with good industrial hygiene. Wash face, hands, and any exposed skin after handling.

Environmental exposure controls: No specific control is known beyond preventing release to soil and water.

9. Physical and chemical properties

Appearance	Clear liquid	**Odor**	Neutral
pH	10.4	**Relative density**	1.000
Freezing point	Below 0 °C	**Boiling point**	> 100 °C
Flash point	Not applicable	**Flammability**	Not flammable
Evaporation rate	No data available	**Vapor pressure**	No data available
Solubility	Soluble in water	**Partition coefficient**	No data available
Auto-ignition temp.	No data available	**Decomposition temp.**	No data available
Viscosity	No data available	**Explosive properties**	Not explosive
Oxidizing properties	Not oxidizing	**VOC**	No VOC

10. Stability and reactivity

Reactivity	None known under normal conditions.
Chemical stability	Stable under normal storage and use.
Hazardous reactions	No hazardous reaction expected under normal use.
Conditions to avoid	Freezing. Contact with incompatible materials.
Incompatible materials	Acids and oxidizing agents.
Hazardous decomposition	Silicon oxides and potassium oxides; small amounts of carbon oxides from the methyl siliconate.

11. Toxicological information

Information is for the ready-to-use mixture. Likely routes of exposure: eye contact, skin contact, inhalation of spray mist, ingestion.

Eyes	Causes serious eye irritation (Category 2A).

Skin	Causes skin irritation (Category 2).
Ingestion	Not classified as harmful if swallowed at this use dilution.
Inhalation	Not expected to cause injury under normal use. Spray mist may irritate the respiratory tract.
Sensitization	Not expected to cause skin or respiratory sensitization.
Germ cell mutagenicity	No data indicating mutagenicity. Not expected under normal use.
Carcinogenicity	No ingredient is listed by IARC, NTP, or OSHA as a carcinogen at these concentrations.
Reproductive toxicity	No data available. Not expected under normal use.
STOT single / repeated	Not classified. Chronic effects are not known or expected under normal use.
Aspiration hazard	Not applicable. Aqueous liquid.

Numerical toxicity data for the mixture are not available. Classification is based on ingredient data and concentration.

12. Ecological information

Ecotoxicity	No data available for the mixture.
Fish	No data available.
Aquatic invertebrates	No data available.
Algae	No data available.
Persistence / degradability	Inorganic silicate components do not biodegrade. They are expected to form silica.
Bioaccumulation	Not expected. Inorganic salts.
Mobility in soil	Soluble in water; may be mobile until it reacts or dries.
Other effects	Alkaline product. Do not release to surface water.

13. Disposal considerations

This sheet covers the ready-to-use product, not a further 1:4 dilution.

Do not allow product to enter drains, watercourses, or soil. Recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations at an approved waste facility.

Dispose of unused product and contaminated absorbent as required by local, state, and federal rules. Empty containers should go to an approved waste handler for recycling or disposal. Do not reuse empty containers.

14. Transport information

The shipper is responsible for packaging, labeling, and markings that match the selected mode of transport.

DOT (US)	Not regulated
TDG (Canada)	Not regulated
IMDG	Not regulated. Not a marine pollutant.
IATA	Not regulated
ADR	Not regulated

15. Regulatory information

United States

TSCA: All components are listed on the TSCA inventory (potassium silicate and potassium methylsiliconate are listed under TSCA Section 8(b)).

SARA 302 extremely hazardous substances: None. SARA 304: None. SARA 313 toxic chemicals: None.

CERCLA hazardous substances: None. Clean Air Act listed substances: None. Clean Water Act listed substances: None.

California Proposition 65: No substances listed. Massachusetts, Pennsylvania, and New Jersey Right-to-Know: no substances listed for this mixture.

Canada

DSL: All substances are listed. NDSL: none. NPRI: no substances listed.

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR), and this SDS contains all information required by the HPR.

Other inventories

Listed or compliant, where checked by the supplier: Korea ECL, Japan ENCS, Australia AIIC, China IECSC, Philippines PICCS, EU REACH (registration obligations for import into or manufacture in the EEA rest with the importer or manufacturer).

HMIS ratings (informational)

Health	2
Flammability	0
Physical hazard	0

0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe. These ratings are not part of the OSHA or HPR label.

16. Other information

Issue date	08/30/2026
Revision date	10/01/2026
Version	2.01
Prepared by	MINERAL ARMOR Regulatory Affairs
Revision summary	Editorial cleanup. Sections placed in 1–16 order. Spelling and units corrected. Hazard statements and precautionary statements aligned to Skin Irritation Category 2 and Eye Irritation Category 2A. Acute Toxicity Category 5 removed (not adopted by OSHA or WHMIS). Burlington ZIP corrected to 53105. Published CAS numbers added; exact percentages remain a trade secret. Disposal language no longer refers to a further 1:4 dilution.

The information in this safety data sheet is based on the supplier's knowledge at the date of publication. It is intended to describe the product for health, safety, and environmental purposes and is not a warranty of product properties or fitness for a particular use.