NeverStrip®
FLOOR COATINGS
21st Century Floor Care Technology™

NeverStrip Micron Shield

Safety Data Sheet

Micron Shield

Neverstrip Micron Shield Safety Data Sheet

SECTION 1: Identification of the substance or mixture and the supplier

Name of substance

Product name Micron Shield

Identification of the supplier

Name of distributor NeverStrip, LLC

Address 2816 Centre Cir, Downers Grove, IL 60515

Phone number

E-mail address info@neverstrip.com

Emergency phone number 630-330-1010

Recommended use

Apply as coating indoors with a dedicated spray gun or use with a hand sprayer.

Restrictions on use

Spray 30 cm from the surface/object. Do not use on wet surfaces.

SECTION 2: Hazard identification

GHS hazard class and category

Physical hazards

Classification not possible

Health hazards

Classification not possible

Environmental hazard

Classification not possible

GHS label elements

Symbol None

Signal word None

Hazard statements Not applicable

Precautionary statements Not applicable

Other hazards

No data available

Summary of critical symptoms and expected emergencies

No data available

SECTION 3: Composition/information on ingredients

Substance/Mixture

Mixture

Ingredients and composition

Chemical name or generic name	CAS number	MITI number	Concentration or range of concentration (wt%)
Titanium phosphate-based compound	proprietary	—	< 9.9
Water	7732-18-5	—	> 90
Other	—	—	< 0.1

SECTION 4: First-aid measures

Description of first aid measures

Inhalation	If you feel unwell, seek medical advice/attention. If the symptoms continue, contact a physician.
Skin contact	Wash with plenty of water. If the symptoms continue, contact a physician.
Eye contact	Rinse thoroughly with water for 15 to 20 minutes. Next, remove contact lenses, if they are present and it is easy to do so. Continue rinsing. If the symptoms continue, contact a physician.
Ingestion	Rinse mouth with water and immediately seek medical advice.

Most important acute symptoms and effects

No data available

Most important delayed symptoms and effects

No data available

Protection of first-aid responders

Wear proper protective clothing, gloves, and eye/skin protection equipment suitable for the situation.

Special notes to physicians

No data available

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use water spray, dry chemical, foam, or carbon dioxide.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

SECTION 6: Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Evacuate non-essential personnel.
Wear suitable protective equipment (see SECTION 8: Exposure control/personal protection) when necessary.

Environmental precautions

Avoid release of the product to the environment because it may affect the surrounding environment.

Methods and material for containment and cleanup

Stop leakage if not dangerous.
For small spills, wipe up with waste cloth and collect in an appropriate container for disposal.
For large spills, build a dike to contain the spill and prevent it from flowing away.
Do not eat or drink near the place where the product is handled or stored.

SECTION 7: Handling and storage

Handling

Technical measures	Take the measures described in SECTION 8: Exposure control/personal protection, and wear protective equipment when necessary.
Precautions for safe handling	Keep away from sources of ignition, such as heat, sparks, open flames, and high-temperature bodies. Do not smoke. Ground the container. Use explosion-proof electrical, ventilation, and lighting equipment. Use non-sparking tools. Take precautionary measures against static discharge.
Avoidance of contact	Store in a cool place that is not exposed to direct sunlight for extended periods of time.
Hygiene measures	Wash hands thoroughly after using this product. Do not eat, drink, or smoke when using this product. If contaminated clothing will be reused, wash it before use.

Storage

Technical measures	Install lighting and ventilation equipment necessary for storing or handling hazardous/harmful substances at the storage location. Take precautionary measures against static discharge.
Incompatible materials	Oxidizing agents, reducing agents, etc.
Storage conditions	Store in a well-ventilated place that is not exposed to direct sunlight for extended periods of time.
Safe packaging material	Use a well-closed container without damage or leakage.

SECTION 8: Exposure control/personal protection

Protective equipment

Respiratory protection	Wear a protective mask or respiratory protective equipment when necessary or required.
Hand protection	Wear protective gloves when this product may come into contact with hands.
Eye/face protection	Wear safety glasses or goggles when this product may come into contact with eyes.
Skin and body protection	Wear protective clothing or a protective apron when necessary.

Special notes

No data available

SECTION 9: Physical and chemical properties

Physical state	Liquid
Color	Colorless, transparent
Odor	Chemical odor
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling point range	No data available
Flammability	No data available
Explosion limits and upper explosive limit/flammability limit	No data available
Flash point	66.3°C / 151.34°F (Tag closed-cup)
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	3.5 to 4.5
Kinematic viscosity	Kinematic viscosity: 1.5 cSt (66.3°C)
Solubility	Soluble in water
Partition coefficient *n*-octanol/water (log value)	No data available
Vapor pressure	No data available
Density and/or relative density	No data available
Relative gas density	No data available
Particle characteristics	Not applicable

SECTION 10: Stability and reactivity

Reactivity	Stable under normal handling conditions.
Chemical stability	Stable under normal handling conditions.
Possibility of hazardous reactions	Hazardous reactions do not occur under normal handling conditions.
Conditions to avoid	Store in a cool place that is not exposed to direct sunlight.

Incompatible materials	Oxidizing agents, reducing agents, etc.
Hazardous decomposition products	Highly toxic decomposition products may be produced in the event of fire, etc.

SECTION 11: Toxicological information

Toxicological information of the product

Acute toxicity (oral)	Death and mortality: No death case was observed and the mortality was 0%. General condition: No abnormality was found. Test method: With reference to Guidance Document on Acute Oral Toxicity, Guideline No. 423, no death case was observed at a test dose of 2,000 mg/kg. An LD_{50} value at a single oral administration is presumed to exceed 2,000 mg/kg for females.
Acute toxicity (dermal)	No data available
Acute toxicity (inhalation)	Death: No death case was observed and the mortality was 0%. General condition: No abnormality was found during exposure or during the observation period after exposure. The test was performed by whole body exposure using a 0.5 m^3 test tank. The administered sample was the test chemical in undiluted form. For exposure, a 2-second spray was repeated four times at intervals of 10 seconds using a compressor and a spray gun. The general condition was observed from the start of exposure to 14 days after, and after the observation, macroscopic observation of organs and histopathological examination of lungs were performed. For this test chemical, acute inhalation toxicity was not found.
Skin corrosion/irritation	Skin findings: No skin reaction was observed both in the initial test and the confirmatory test, and the Primary Irritation Index (P.I.I.) was found to be 0. The test chemical is pale-blue liquid, and undiluted liquid (100%) was used in the test as the administered sample. For the administration method, 0.5 mL of the test chemical was applied to a lint patch (2.5 × 2.5 cm), and the patch was attached to the administration site, fixed with an adhesive elastic bandage, and maintained for 4.5 hours (Closed patch test). Skin reactions were examined 1, 24, 48, and 72 hours after the removal of the patch. It should be noted that in the initial test, a skin reaction immediately after the removal of the patch was also examined. On the basis of the grading of skin reactions after 24 and 72 hours after patch removal, a Primary Irritation Index (P.I.I.) was calculated. In the results, no skin reaction was observed in either

	examination, and P.I.I. was found to be 0. The test chemical did not show any skin irritation and was concluded to be non-irritating in the skin irritation category.
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	In the sensitization group, 10 w/w% solution of the test chemical was used for intradermal sensitization and 100% liquid of the test chemical was used for contact sensitization; physiological saline and water for injection was used for the control group. For elicitation, 100% liquid of the test chemical and 30 and 10 w/w% solutions of the test chemical were used. In the results, no skin reaction was observed in both the sensitization group and the control group after administration of any of the elicitation samples, and the sensitization rate was 0%. The test chemical did not show skin sensitization.
Germ cell mutagenicity	To determine test doses, a dose range-finding study was performed using five doses (5,000, 1,250, 313, 78.1, and 19.5 µg/plate) prepared by diluting 50 mg/mL of the test chemical at four levels with a common ratio of 4. Precipitation and coloration on the plates induced by the test chemical was not found for any of the doses regardless of the presence or absence of metabolic activation. Stereoscopic microscopy revealed that inhibition of growth of bacteria by treatment by the test chemical was not observed in any of bacterial strains regardless of the presence or absence of metabolic activation. Treatment by the test chemical did not increase the number of revertant colonies twice or more than that of the negative control in any of the bacterial strains regardless of the presence or absence of metabolic activation, and no dose response was observed.
Reproductive toxicity	No data available
Specific target organ toxicity (single exposure)	No data available
Specific target organ toxicity (repeated exposure)	No data available
Aspiration hazard	No data available

Toxicological information of ingredients

Titanium phosphate-based compound

Acute toxicity (oral)	LD50 > 2,000 mg/kg
Acute toxicity (dermal)	No data available
Acute toxicity (inhalation: gas)	No data available
Acute toxicity (inhalation: vapor)	No data available

Acute toxicity (inhalation: dust/mist)	No data available
Skin corrosion/irritation	Non-irritating
Serious eye damage/eye irritation	No data available
Respiratory sensitization	No data available
Skin sensitization	No sensitization was found
Germ cell mutagenicity	Negative
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity (single exposure)	No data available
Specific target organ toxicity (repeated exposure)	No data available
Aspiration hazard	No data available

Water

Acute toxicity (oral)	LD50 > 2,000 mg/kg
Acute toxicity (dermal)	No data available
Acute toxicity (inhalation: gas)	No data available
Acute toxicity (inhalation: vapor)	No data available
Acute toxicity (inhalation: dust/mist)	LC50 4h 11 mg/l
Skin corrosion/irritation	OECD Test Guideline No. 404, 4h, no irritation
Serious eye damage/eye irritation	OECD Test Guideline No. 405, 24h, corrosive
Respiratory sensitization	No data available
Skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity (single exposure)	No data available
Specific target organ toxicity (repeated exposure)	No data available
Aspiration hazard	No data available

SECTION 12: Ecological information

Ecological information of the product

Ecotoxicity	No data available
Aquatic toxicity, short-term (acute)	(Acute toxicity to fish) In each cylindrical glass aquarium 4 L of test water was added and the test chemical was added to each of the aquariums to final concentrations of 0, 1, 10, and 100 mg/L for exposure testing. During the test period, the test water was not changed (static test) and was aerated gently during the 16-hour light period. The condition (including death cases) was observed 3, 6, 24, 48, 72,

	and 96 hours after the start of the test. The water temperature, dissolved oxygen concentration (DO), and pH in each plot were also measured. No death cases were found in all of the plots until 96 hours after the start of the test, and no other abnormalities were also found. LC_{50} (median lethal concentration) at 96 hours after the start of the test was presumed to be greater than 100 mg/L.
Aquatic toxicity, long-term (chronic)	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Hazardous to the ozone layer	Not applicable

SECTION 13: Disposal considerations

Residual waste

Waste should be disposed of in accordance with related regulations and local standards.
Entrust disposal to industrial waste disposal companies licensed by prefectural governors, or local governments if they treat waste.

Contaminated containers and packages

For containers, recycle them after washing, or dispose of them appropriately in accordance with related regulations and local standards.
Completely empty containers before disposal.

SECTION 14: Transport information

International regulations

Land transportation (follow provisions of ADR/RID)

UN number	Not applicable
Name (UN proper shipping name)	Not applicable
Transport hazard class(es) (UN classification)	Not applicable
Subsidiary hazard class	Not applicable
Packing group	Not applicable

Marine transportation (follow provisions of IMO)

UN number	Not applicable
Name (UN proper shipping name)	Not applicable
Transport hazard class(es) (UN classification)	Not applicable
Subsidiary hazard class	Not applicable
Packing group	Not applicable
Marine pollutant (Yes/No)	No
IBC code (Applicable/Not	No

applicable)

Air transportation (follow provisions of ICAO/IATA)

UN number	Not applicable
Name (UN proper shipping name)	Not applicable
Transport hazard class(es) (UN classification)	Not applicable
Subsidiary hazard class	Not applicable
Packing group	Not applicable

Domestic regulations

Regulatory information on land transportation	Not applicable
Regulatory information on marine transportation	Not applicable
Marine pollutant	Not applicable
Regulatory information on air transportation	Not applicable

Special safety measures for transportation or means of transportation:

For transportation, load the product without container damage, corrosion, or leakage, and make sure to prevent the load from collapsing.

SECTION 15: Regulatory information

Names of applicable laws and information about regulations based on the laws

Law concerning Pollutant Release and Transfer Register (PRTR)	Not applicable
Industrial Safety and Health Act	Not applicable
Fire Service Act	Non-hazardous material
Poisonous and Deleterious Substances Control Act	Not applicable

SECTION 16: Other information

References

Materials provided by WE Group LLC

NITE, List of GHS Classification Results (2021)

Japan Society for Occupational Health (2020) Recommendation of Occupational Exposure Limits

ACGIH, American Conference of Governmental Industrial Hygienists (2021) TLVs and BEIs.

Note: This SDS is in conformity with JIS Z 7253:2019 and based on data on the product and hazards available at the time of preparation, but may not necessarily be sufficient and should be used with due care. The information described in this SDS should be updated, as necessary, when new findings are obtained. The precautions herein are for normal handling. If this product is to be used in ways outside of normal handling, please take safety measures that are suitable to the actual application/conditions.

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