

NeverStrip 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
Recommended use	Apply as coating with a dedicated spray gun or use with a hand sprayer.
Restrictions on use	Spray 12-16" Inches from the surface/object. Do not use on wet surfaces where water could wash the product away, damp is ok but dry is preferred.

SECTION 2: Hazard identification

GHS hazard class and category	
Physical hazards	
Health hazards	Non-hazardous
Environmental hazard	Non-hazardous

GHS label elements

Symbol	None
Signal word	None
Hazard statements	Non-hazardous
Precautionary statements	Not applicable

Other hazards

None

Summary of critical symptoms and expected emergencies

No data available

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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

The chemical identity of some or all components present is confidential business information (Trade Secret) and is being withheld as permitted by 29CFR1919.1200 (i)

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 If the symptoms continue, contact a physician.

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, if required or mandated.

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

Refer to section 8 of SDS for personal protection details. Turn leaking containers leak- side up to prevent the escape of liquid. In the event of a small spill, remove the released product by absorbing with sawdust, waste cloth, etc. Then wipe off any remaining residue thoroughly with waste cloth. Take caution around spill area as it will be slippery.

Environmental precautions

No adverse environmental effects, however, do not discharge into drains or rivers.
Contain If there is spillage using simple disposing efforts removing to trash.

Methods and material for containment and cleanup

Absorb into sawdust or waste rags. Dispose of in appropriate containers.

SECTION 7: Handling and storage

Handling

General Handling:	Handle in accordance with good industrial hygiene and safety practice. It is a good practice to ensure good ventilation of the work station.
Avoidance of contact	Avoid contact with eyes, skin, and clothing, as with any substance in a workplace setting. Wash hands thoroughly after handling.
Hygiene measures	Do not eat, drink or smoke when using this product.
Precautions for safe handling	Wear protective gloves/eye protection if splashes or mists are likely to occur, to keep hands dry and product from splashing into eyes.

Storage

Technical measures	Use product only according to label directions.
Storage conditions	Store in a cool, dry climate controlled area. Keep containers tightly closed when not in use.
Safe packaging material	Protect from physical damage. Store protected against freezing.

SECTION 8: Exposure control/personal protection

Protective equipment

Respiratory protection	Not required to wear a protective mask or respiratory protective equipment, but do so when necessary/mandated.
Hand protection	Not required to wear protective gloves when this product may come into contact with hands, but do so when necessary/mandated.
Eye/face protection	Not required to wear safety glasses or goggles when this product may come into contact with eyes, but do so when necessary/mandated.
Skin and body protection	Not required to wear protective clothing or a protective apron, but do so when necessary/mandated.

SECTION 9: Physical and chemical properties

Physical state	Liquid
Color	Colorless,transparent
Odor	Odorless
Melting point/freezing point	No data available/ 0°C 32°F
Boiling point or initial boiling point and boiling point range	100°C (212°F)
Flammability	Not Flammable
Upper / Lower flammability limit	This product itself does not burn, upper limit (2000°F)
Flash point	Not Applicable/Not Flammable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	4.5 to 5 (+/- .5)
Kinematic viscosity	Kinematic viscosity: 1.5 cSt (66.3°C)
Solubility	Soluble in water
Partition coefficient	No data available
Vapor pressure	No danger
Vapor Density	.01
Specific Gravity	1.00

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.

Materials to avoid Strong oxidizing agents. Strong acids that might lower pH

SECTION 11: Toxicological information

Toxicological information of the product

Acute toxicity (oral)	<p>Death and mortality: No death case was observed and the mortality was 0%.</p> <p>General condition: No abnormality was found.</p> <p>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.</p> <p>An LD₅₀ value at a single oral administration is presumed to exceed 2,000 mg/kg for females.</p>
Acute toxicity (dermal)	No data available
Acute toxicity (inhalation)	<p>Death: No death case was observed and the mortality was 0%.</p> <p>General condition: No abnormality was found during exposure or during the observation period after exposure.</p> <p>The test was performed by whole body exposure using a 0.5 m³ 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.</p>
Skin corrosion/irritation	<p>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.</p> <p>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</p>

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Serious eye damage/eye irritation
Respiratory or skin sensitization

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.

Non Irritant

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 reverent 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.

Toxicological information of ingredients

Titanium phosphate-based compound

Acute toxicity (oral)

LD50 > 2,000 mg/kg

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Skin corrosion/irritation	Non-irritating
Serious eye damage/eye irritation	Non-irritating
Respiratory sensitization	No data available
Skin sensitization	No sensitization was found
Germ cell mutagenicity	Negative

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
Serious eye damage/eye irritation	irritation OECD Test Guideline No. 405,
Respiratory sensitization	24h, 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	Nontoxic. The material has been excluded from the classification.
Aquatic toxicity, short-term (acute)	<p>(Acute toxicity to fish)</p> <p>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,</p>

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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. LC₅₀ (median lethal concentration) at 96 hours after the start of the test was presumed to be greater than 100 mg/L.

Persistence and degradability:	Degrades to minerals already established in nature. The material has been excluded from the classification.
Bi-accumulative potential:	No accumulation of biomaterials. The material has been excluded from the classification.
PBT identification:	This product is not identified as a PBT substance.

SECTION 13: Disposal considerations

Disposal operations:

Transfer to a suitable container and arrange for standard collection by disposal company.

Disposal of packaging:

No special requirements for disposal of packaging.

SECTION 14: Transport information

International regulations

Land transportation (follow provisions of ADR/RID)

UN number	No UN number needed. Product is non-hazardous
Name (UN proper shipping name)	Not needed.
Transport hazard class(es) (UN classification)	Class 55 – general non-toxic transportation.

Marine transportation (follow provisions of IMO)

UN number	No UN number needed. Product is non-hazardous
Name (UN proper shipping name)	Not needed
Transport hazard class(es) (UN classification)	Class 55 – general non-toxic transportation.
Subsidiary hazard class	Not applicable
Packing group	Not applicable
Marine pollutant (Yes/No)	No
IBC code (Applicable/Not)	Not applicable

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Air transportation (follow provisions of ICAO/IATA)

UN number	No UN number needed. Product is non-hazardous
Name (UN proper shipping name)	Not applicable
Transport hazard class(es) (UN classification)	Class 55 – general non-toxic transportation.
Subsidiary hazard class	Not Hazardous
Packing group	Not applicable

Domestic regulations

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

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

Fire law: Non-hazardous substance

Poisonous & deleterious substances control law: Not applicable/Non hazardous

Industrial safety & health law: Not applicable/Non hazardous

Water pollution control law: Not applicable (due to a phosphorous content of 3 mg/L or less)

SECTION 16: Other information

PFAS/PFOS disclaimer: The product does not contain any PFAS/PFOS acid materials.

Prop 65 Statement: This product does not contain unbound chemicals known to the state of California to cause cancer, birth defects other reproductive harm