

S-140 High Temp White

Version number: 1.0

Date of compilation: 07/14/2026

SECTION 1: Identification

1.1 Product identifier

Trade name

S-140 High Temp White

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

Relevant identified uses

Professional use

1.3 Details of the supplier of the safety data sheet

NIC Industries, Inc
7050 6th St.
White City Oregon 97503
United States

Telephone: 866-774-7628
e-mail: sds@nicindustries.com
Website: www.nicindustries.com

1.4 Emergency telephone number

Emergency information service

1-800-633-8253 (USA & Canada)

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SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Hazard class and category code(s)

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.10	Acute toxicity (oral)	4	Acute Tox. 4	H302
A.2	Skin corrosion/irritation	1B	Skin Corr. 1B	H314
A.3	Serious eye damage/eye irritation	1	Eye Dam. 1	H318
A.4S	Skin sensitization	1	Skin Sens. 1	H317
A.6	Carcinogenicity	2	Carc. 2	H351
B.6	Flammable liquid	2	Flam. Liq. 2	H225

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis. The product is combustible and can be ignited by potential ignition sources. The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as

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vPvB (very persistent and very bioaccumulative).

2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word **DANGER**

- Pictograms

GHS02, GHS05, GHS07,
GHS08

- Hazard statements

H225	Highly flammable liquid and vapor.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.

- Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharge.
P260	Do not breathe dusts or mists.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P330+P331	If swallowed: Rinse mouth. Do NOT induce vomiting.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a poison center/doctor.
P321	Specific treatment (see on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling

Refractory Curing Agent, p-Chlorobenzotrifluoride,
Refractory Polymer

2.3 Other hazards

Results of PBT and vPvB assessment

Contains a PBT-substance at a concentration of $\geq 0.1\%$. Contains a vPvB-substance at a concentration of $\geq 0.1\%$.

Endocrine disrupting properties

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Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%
Refractory Polymer	CAS No Trade Secret	25 – < 50
Hexamethyldisiloxane	CAS No 107-46-0	25 – < 50
zinc oxide	CAS No 1314-13-2	10 – < 25
Barium sulfate	CAS No 7727-43-7	5 – < 10
Zirkonium oxide Yttrium	CAS No 114168-16-0	5 – < 10
Titanium dioxide	CAS No 13463-67-7	5 – < 10
Refractory Curing Agent	CAS No Trade Secret	1 – < 5
p-Chlorobenzotrifluoride	CAS No 98-56-6	1 – < 5
Decamethylcyclopentasiloxane	CAS No 541-02-6	1 – < 5
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	CAS No 14807-96-6	1 – < 5
Dodecamethylcyclohexasiloxane	CAS No 540-97-6	0.1 – < 1

Remarks

** Trade Secret: In accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200(i) and in accordance with the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS), the specific identity and/or exact percentage (concentration) of the composition has been withheld as a "Trade Secret"

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

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Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Dry extinguishing powder, BC-powder, Carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder.

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

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6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of substance	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
US	Zinc oxide	REL		5 (10 h)				15	dust	NIOSH REL
US	Zinc oxide	PEL		15					dust	29 CFR 1910.100

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Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of substance	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
										0
US	Zinc oxide	PEL (CA)		5		10			fume	Cal/OSHA PEL
US	Zinc oxide	REL		5 (10 h)		10			fume	NIOSH REL
US	Zinc oxide	PEL		5					fume	29 CFR 1910.1000
US	Zinc oxide	TLV®		2		10			r	ACGIH® 2025
US	Zinc oxide	PEL		5					r	29 CFR 1910.1000
US	Titanium dioxide	PEL		15					dust	29 CFR 1910.1000
US	Titanium dioxide	REL							lowest, appx-A	NIOSH REL
US	Titanium dioxide	TLV®		2.5					r, fine	ACGIH® 2025
US	Titanium dioxide	TLV®		0.2					r, nano	ACGIH® 2025
US	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	PEL		0.1		1 (30 min)			+asb, fib/cm³, less silica, dust	29 CFR 1910.1000
US	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	PEL (CA)		0.1		1 (30 min)			+asb, less silica, fib/cm³	Cal/OSHA PEL
US	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TLV®		0.1					fib/cm³, +asb, CA-10	ACGIH® 2025
US	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	PEL (CA)		2					no asb, r, dust, less silica	Cal/OSHA PEL
US	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	PEL	706						partml, noAsb_lessSil, r, dust	29 CFR 1910.1000
US	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	REL		2 (10 h)					r, less silica, no_asb	NIOSH REL
US	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TLV®		2					r, noAsb_lessSil	ACGIH® 2025

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Occupational exposure limit values (Workplace Exposure Limits)										
Country	Name of substance	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	Barium sulfate	REL		10 (10 h)						NIOSH REL
US	Barium sulfate	PEL		15					dust	29 CFR 1910.1000
US	Barium sulfate	TLV®		5					i, noAsb_less1Sil	ACGIH® 2025
US	Barium sulfate	REL		5 (10 h)					r	NIOSH REL
US	Barium sulfate	PEL		5					r	29 CFR 1910.1000
US	p-Chlorobenzotri-fluoride	TLV®	0.5							ACGIH® 2025
US	p-Chlorobenzotri-fluoride	TLV®		20					sconc-mg	ACGIH® 2025

Notation

+asb	containing asbestos fibers
appx-A	NIOSH Potential Occupational Carcinogen (Appendix A)
CA-10	Respirable fibers: length > 5µm; aspect ratio ≥ 3:1, as determined by the membrane filter method at 400-450 times magnification (4-mm objective), using phase-contrast illumination.
Ceiling-C	ceiling value is a limit value above which exposure should not occur
dust	as dust
fib/cm³	fibers/cm³
fine	fineparticle
fume	as fume
i	inhalable fraction
less1silica	with less than 1 % free crystalline silica
lowest	exposure by all routes should be carefully controlled to levels as low as possible
nano	nanoparticle
no_asb	containing no asbestos fibers
noAsb_less1Sil	contains no asbestos and less than 1% free crystalline silica
part/ml	particles/ml
r	respirable fraction
sconc-mg	surface concentration expressed as mg/100cm²
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

8.2 Exposure controls

Appropriate engineering controls

Exhaust ventilation. General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

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Wear eye/face protection.

Skin protection

- Hand protection

Wear protective gloves.

- Other protection measures

Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Color	White
Odor	Ammoniacal
Melting point/freezing point	Not determined
Boiling point or initial boiling point and boiling range	100.5 °C at 1,013 hPa
Flammability	Not relevant (fluid)
Lower and upper explosion limit	Information on this property is not available
Flash point	-6 °C
Auto-ignition temperature	Not determined
Decomposition temperature	Not relevant
pH (value)	Not determined
Kinematic viscosity	Not determined
Solubility(ies)	Not determined

Partition coefficient

Partition coefficient n-octanol/water (log value)	Not available
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Density	1.33 g/ml
Relative vapour density	Not available

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Particle characteristics	Not relevant (liquid)
Particle size	Not available

9.2 Other information

Information with regard to physical hazard classes	There is no additional information
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Other safety characteristics

Temperature class (USA, acc. to NEC 500)	T2 (maximum permissible surface temperature on the equipment: 300°C)
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SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

If heated:

Risk of ignition.

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Moisture.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidizers. Alcohols.

10.6 Hazardous decomposition products

Carbon dioxide, carbon monoxide, and silicon oxides may be produced from all coating formulations. Chlorine-containing gases, fluorine-containing gases may be produced in products containing p-chlorobenzotrifluoride. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Harmful if swallowed.

GHS of the United Nations, annex 4: May be harmful in contact with skin.

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- Acute toxicity estimate (ATE)

Oral >1,012 mg/kg

Acute toxicity estimate (ATE) of components

Name of substance	CAS No	Exposure route	ATE
Refractory Polymer	Trade Secret	Oral	>300 mg/kg
Hexamethyldisiloxane	107-46-0	Dermal	>2,000 mg/kg
zinc oxide	1314-13-2	Dermal	>2,000 mg/kg
Refractory Curing Agent	Trade Secret	Oral	>300 mg/kg
p-Chlorobenzotrifluoride	98-56-6	Dermal	>3,300 mg/kg
Decamethylcyclopentasiloxane	541-02-6	Dermal	>2,000 mg/kg
Decamethylcyclopentasiloxane	541-02-6	Inhalation: dust/mist	8.67 mg/l/4h
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	Dermal	>2,000 mg/kg
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	Inhalation: dust/mist	>2.1 mg/l/4h
Dodecamethylcyclohexasiloxane	540-97-6	Oral	>2,000 mg/kg
Dodecamethylcyclohexasiloxane	540-97-6	Dermal	>2,000 mg/kg

Acute toxicity of components

Name of substance	CAS No	Exposure route	Endpoint	Value	Species
Refractory Polymer	Trade Secret	oral	LD50	>300 – 2,000 mg/kg	rat
Hexamethyldisiloxane	107-46-0	dermal	LD50	>2,000 mg/kg	rat
zinc oxide	1314-13-2	oral	LD50	>5,000 mg/kg	rat
zinc oxide	1314-13-2	dermal	LD50	>2,000 mg/kg	rat
Titanium dioxide	13463-67-7	oral	LD50	>5,000 mg/kg	unknown
Refractory Curing Agent	Trade Secret	oral	LD50	>300 – 2,000 mg/kg	rat
p-Chlorobenzotrifluoride	98-56-6	oral	LD50	5,546 mg/kg	rat
p-Chlorobenzotrifluoride	98-56-6	inhalation: dust/mist	LC50	>32.03 mg/l/4h	rat
p-Chlorobenzotrifluoride	98-56-6	dermal	LD50	>3,300 mg/kg	rabbit
Decamethylcyclopentasiloxane	541-02-6	oral	LD50	>5,000 mg/kg	rat
Decamethylcyclopentasiloxane	541-02-6	inhalation: dust/mist	LC50	8.67 mg/l/4h	rat
Decamethylcyclopentasiloxane	541-02-6	dermal	LD50	>2,000 mg/kg	rabbit
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	oral	LD50	>5,000 mg/kg	rat
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	inhalation: dust/mist	LC50	>2.1 mg/l/4h	rat
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	dermal	LD50	>2,000 mg/kg	rat

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Acute toxicity of components

Name of substance	CAS No	Exposure route	Endpoint	Value	Species
Dodecamethylcyclhexasiloxane	540-97-6	oral	LD50	>2,000 mg/kg	rat
Dodecamethylcyclhexasiloxane	540-97-6	dermal	LD50	>2,000 mg/kg	rat

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Name of substance	Classification	Number
Titanium dioxide	2B	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	2A	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	2A	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	1	
p-Chlorobenzotrifluoride	2B	

Legend

- 1 Carcinogenic to humans
2A Probably carcinogenic to humans
2B Possibly carcinogenic to humans

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information**12.1 Toxicity**

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Data are not available.

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12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessmentContains a PBT-substance at a concentration of $\geq 0.1\%$. Contains a vPvB-substance at a concentration of $\geq 0.1\%$.**12.6 Endocrine disrupting properties**Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.**12.7 Other adverse effects**

Data are not available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product/packaging disposal**

Do not empty into drains. Avoid release to the environment. Contact a licensed professional waste disposal service to dispose of this material and its packaging.

Waste treatment of containers/packages

Follow all local, state, and Federal disposal regulations.

Hazardous waste code(s)

The waste code(s) should be assigned in discussion between the user and the waste disposal company.

SECTION 14: Transport information**14.1 UN number**

DOT	UN 2924
IMDG-Code	UN 2924
ICAO-TI	UN 2924

14.2 UN proper shipping name

DOT	Flammable liquid, corrosive, n.o.s.
IMDG-Code	FLAMMABLE LIQUID, CORROSIVE, N.O.S.
ICAO-TI	Flammable liquid, corrosive, n.o.s.
Technical name (hazardous ingredients)	Refractory Polymer, Hexamethyldisiloxane

14.3 Transport hazard class(es)

DOT	3 (8)
IMDG-Code	3 (8)
ICAO-TI	3 (8)

14.4 Packing group

DOT	II
IMDG-Code	II
ICAO-TI	II

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14.5 Environmental hazards hazardous to the aquatic environment

14.6 Remarks

14.7 Transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

14.8 Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration

UN2924, Flammable liquid, corrosive, n.o.s., (contains: Refractory Polymer, Hexamethyldisiloxane), 3 (8), II, environmentally hazardous

Danger label(s)

3+8, fish and tree



Environmental hazards

yes (hazardous to the aquatic environment)

Special provisions (SP)

IB2, T11, TP2, TP27

ERG No

132

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant

yes (hazardous to the aquatic environment) (Hexamethyldisiloxane)

Danger label(s)

3+8, fish and tree



Special provisions (SP)

274

Excepted quantities (EQ)

E2

Limited quantities (LQ)

1 L

EmS

F-E, S-C

Stowage category

B

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards

yes (hazardous to the aquatic environment)

Danger label(s)

3+8



Special provisions (SP)

A3

Excepted quantities (EQ)

E2

Limited quantities (LQ)

0,5 L

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Toxic Substances Control Act (TSCA)

All ingredients are listed

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

Please contact sds@nicindustries.com for more information.

- Specific Toxic Chemical Listings (EPCRA Section 313)

Please contact sds@nicindustries.com for more information.

Toxics Release Inventory: Specific Toxic Chemical Listings

Name of substance	Effective date
Barium sulfate	12/31/1986
zinc oxide	12/31/1986

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

Please contact sds@nicindustries.com for more information.

Clean Air Act

Please contact sds@nicindustries.com for more information.

Right to Know Hazardous Substance List

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	PBT / PFAS / HHS / LHS	De Minimis Concentration Threshold
Barium sulfate		1.0 %
zinc oxide		1.0 %

- Hazardous Substances List (MN-ERTK)

Name of substance	References
Titanium dioxide	A
Barium sulfate	A
Barium sulfate	A
zinc oxide	A, N, O
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	A, O
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	A, R, *

Legend

* Substances which are regulated by OSHA as carcinogens; have been categorized by the ACGIH as either "human carcinogens" or

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Legend

- "suspect of carcinogenic potential for man"; have been evaluated by the International Agency for Research on Cancer (IARC) and found to be carcinogens or potential carcinogens; or have been listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP).
- A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH
- N National Institute for Occupational Safety and Health (NIOSH), "Recommendations for Occupational Safety and Health Standards," August 1988, available from NIOSH, Publications Dissemination Office, Division of Standards Development and Technology Transfer
- O Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division
- R International Agency for Research on Cancer (IARC) Monographs on the Evaluation of the Carcinogenic Risks to Humans; Overall Evaluations of Carcinogenicity: An Updating of IARC Monographs Volumes 1 to 42, Supplement 7 (1987). Available from: WHO Publications Centre USA

- Hazardous Substance List (NJ-RTK)

Name of substance	Classifications
Titanium dioxide	
Barium sulfate	
Barium sulfate	
zinc oxide	
zinc oxide	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	CA

Legend

CA Carcinogenic

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name of substance	Classification
Titanium dioxide	
Barium sulfate	
Barium sulfate	*, E
zinc oxide	E
zinc oxide	*, E
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	

Legend

- * Any compound of this substance is also an environmental hazard
- E Environmental hazard

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- Hazardous Substance List (RI-RTK)

Name of substance	References
Titanium dioxide	T
zinc oxide	T
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	T

Legend

T Toxicity (ACGIH®)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals

Name of substance	Remarks	Type of the toxicity
Titanium dioxide	airborne, unbound particles of respirable size	cancer
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	containing asbestiform fibers	cancer
p-Chlorobenzotrifluoride		cancer

VOC content

All Cerakote coatings are VOC compliant under the EPA and have low to no VOC content. To find out the VOC content of an individual coating please contact sds@nicindustries.com for more information.

National inventories

Country	Inventory	Status
EU	REACH Reg.	All ingredients are listed or exempt from listing
US	TSCA	All ingredients are listed (ACTIVE)

Legend

REACH Reg. REACH registered substances

TSCA Toxic Substances Control Act

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision**Abbreviations and acronyms**

Abbr.	Descriptions of used abbreviations
29 CFR 1910.1000	29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)
49 CFR US DOT	49 CFR U.S. Department of Transportation
ACGIH®	American Conference of Governmental Industrial Hygienists
ACGIH® 2025	From ACGIH®, 2025 TLVs® and BEIs® Book. Copyright 2025. Reprinted with permission. Information on the

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Abbr.	Descriptions of used abbreviations
	proper use of the TLVs® and BEIs®: http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement
ATE	Acute Toxicity Estimate
Cal/OSHA PEL	California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DGR	Dangerous Goods Regulations (see IATA/DGR)
DOT	Department of Transportation (USA)
ED	Endocrine disruptor
EmS	Emergency Schedule
ERG No	Emergency Response Guidebook - Number
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
HHS	Higher hazard substance
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
LHS	Lower hazard substance
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible exposure limit
ppm	Parts per million
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
STEL	Short-term exposure limit
TLV®	Threshold Limit Values
TWA	Time-weighted average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

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OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG).
Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H225	Highly flammable liquid and vapor.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H351	Suspected of causing cancer.