

SAFETY DATA SHEET

1 Product and company identification

Name of chemical (Product name) : SIFACOAT-DARKGRAY-N-45

Recommended use of the chemical and restrictions on use

Recommended use: Coatings

Recommended restrictions For industrial use only.

Manufacturer/Importer/Distributor Information : SIFACOATINGS CO., Ltd.
3-34, Tokumoto, Nonoichi-city,
Ishikawa Japan

Contact person : info@sifacoatings.co.jp

Telephone : +81-76-225-3280

Emergency telephone number : +81-76-225-3280

2 Hazard(s) identification

GHS classification:

Physical Hazards:

Flammable liquids

Category 4

GHS label elements:

Pictograms: No symbol

Signal Word: Warning

Hazard Statement: Combustible liquid.

Precautionary Statements:

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage: Store in a well-ventilated place.

Disposal: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

SIFACOAT-DARKGRAY-N-45**Other hazards which do not result in GHS classification:**

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor.

3 Composition/information on ingredients

Chemical nature: Silicone Mixture

Mixtures

Chemical Identity	CAS number	Concentration*
Decamethylcyclopentasiloxane	541-02-6	1.0 - 10%
TITANIUM DIOXIDE	13463-67-7	1 - 10%
Methyltrimethoxysilane	1185-55-3	1.0 - 10%
Titanium, Bis(ethyl acetoacetate)-diisopropoxy	27858-32-8	1.0 - 10%
C.I. Pigment Brown 24 (9% as Sb, 5% as Cr)	68186-90-3	0.1 - 1.0%
Carbon Black	1333-86-4	0.1 - 1.0%

* Concentration may be shown with a range due to confidentiality.

* The range shown in the table above, the minimum value may be equal to or greater than the actual weight, while the maximum value is less than the actual weight.

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4 First-aid measures

General: Get medical attention if symptoms occur.

Inhalation: Move into fresh air and keep at rest. Get medical attention if symptoms occur.

Skin Contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.

Eye contact: Get medical attention if symptoms occur. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Ingestion: DO NOT induce vomiting. Get medical attention immediately. Do not give victim anything to drink if he is unconscious. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and delayed

SIFACOAT-DARKGRAY-N-45

Symptoms: No data available.

Hazards: No information about adverse effects due to exposure.

Notes to the physician: There is no specific antidote. Treatment is symptomatic and supportive.

5 Fire-fighting measures

Extinguishing media: Extinguish with foam, carbon dioxide or dry powder.

Unsuitable extinguishing media: No data available.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures: Keep unprotected persons away. Remove sources of ignition. Use personal protective equipment. Keep upwind.

Environmental Precautions: Do not allow runoff to sewer, waterway or ground.

Methods or materials for containment and cleaning up: Put in an empty container for recovery after preventing spill by sand or sandbags, if the amount of spill is large. Put in an empty container for recovery after wiping or soaking up in an inert material, if the amount of spill is small.

Prevention of secondary hazards: No data available.

7 Handling and storage**Handling**

Technical measures (e.g. Local and general ventilation): Provide adequate general and local exhaust ventilation. Eye washes and showers for emergency use.

Safe handling advice: "Wear eye, hand and respiratory protection when in handling." Keep away from sources of ignition - No smoking. Ground container and transfer equipment to eliminate static electric sparks.

Contact avoidance measures: General (mechanical) room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment.

Hygiene measures: Observe good industrial hygiene practices. Wash hands after handling. When using do not eat, drink or smoke. Provide adequate ventilation.

Storage

Safe storage conditions: Store in a dark, cool place indoors, with container tightly closed.

Safe packaging materials: Keep container tightly closed.

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8 Exposure controls/personal protection**Control Parameters****Occupational Exposure Limits:**

Chemical name	Type	Exposure Limit Values	Regulation Sources
TITANIUM DIOXIDE - Dust.	TLV	0.025 mg/m3	Japan. OELs - ISHL. (Workplace Environment Assessment Standards), as amended (04 2020)
Calcium carbonate - Dust.	TLV	0.025 mg/m3	Japan. OELs - ISHL. (Workplace Environment Assessment Standards), as amended (04 2020)
Carbon Black - Respirable particles.	TWA	0.3 mg/m3	Japan. OEL - Concentration Standards (ISHL 577-2(2), MHLW Labour Standards Bureau Notice No. 0427-1) (05 2024)
Calcium Carbonate - Dust.	TLV	0.025 mg/m3	Japan. OELs - ISHL. (Workplace Environment Assessment Standards), as amended (04 2020)

Personal protective equipment (PPE)

Respiratory Protection:	Use only in well-ventilated areas.
Hand Protection:	Chemical resistant gloves
Eye Protection:	Safety glasses with side shields
Skin and Body Protection:	Chemical resistant clothing Wear rubber boots.

9 Physical and chemical properties

Physical state:	liquid
Form:	Paste or wax
Color:	Dark gray
Odor:	Alcohol
Odor threshold	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flammability	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Flash Point	70 °Cestimated
Evaporation rate	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
SADT	No data available.

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pH	substance/mixture is non-soluble (in water)
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	No data available.
Solubility(ies)	
Solubility in water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water)Log Pow	No data available.
Vapor pressure	No data available.
Density	1.5 g/cm ³ (23 °C)
Relative density	1.5(23 °C)
Vapor density	No data available.

10 Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	No data available.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Heat. Freezing. Moisture. Sunlight.
Incompatible Materials:	Water. Acids. Bases.
Hazardous Decomposition Products:	No data available.

11 Toxicological information**Acute toxicity (list all possible routes of exposure)****Oral**

Product:	Not classified for acute toxicity based on available data.
Components:	
Decamethylcyclopentasiloxane	No data available.

TITANIUM DIOXIDE	LD 50 (Rat): > 10,000 mg/kg
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Methyltrimethoxysilane	LD 50 (Rat): 11,685 mg/kg
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Titanium, Bis(ethyl acetoacetate)-diisopropoxy	No data available.
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C.I. Pigment Brown 24 (9% as Sb, 5% as Cr)	LD 50 (Rat, No data available.): 10,000 mg/kg
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Carbon Black	No data available.
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Dermal

Product:	Not classified for acute toxicity based on available data.
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SIFACOAT-DARKGRAY-N-45**Components:**

Decamethylcyclopenta
siloxane No data available.

TITANIUM DIOXIDE LD 50 (Rabbit): > 10,000 mg/kg

Methyltrimethoxysilane LD 50 (Rat): > 9,500 mg/kg

Titanium, Bis(ethyl
acetoacetate)-
diisopropoxy No data available.

C.I. Pigment Brown 24
(9% as Sb, 5% as Cr) No data available.

Carbon Black No data available.

Inhalation

Product: Not classified for acute toxicity based on available data.

Repeated dose toxicity

Product: No data available.

Components:

Methyltrimethoxysilane NOAEL : 50 mg/kg

Skin Corrosion/Irritation

Product: No data available.

Components:

Decamethylcyclopentasiloxane No data available.

TITANIUM DIOXIDE No data available.
Methyltrimethoxysilane OECD Test Guideline 404 (Rabbit): No skin irritation

Titanium, Bis(ethyl
acetoacetate)-
diisopropoxy No data available.

C.I. Pigment Brown 24
(9% as Sb, 5% as Cr) (Rabbit): No skin irritation

Carbon Black No data available.

Serious Eye Damage/Eye Irritation

Product: No data available.

SIFACOAT-DARKGRAY-N-45**Components:**

Decamethylcyclopentasiloxane	No data available.
TITANIUM DIOXIDE	No eye irritation
Methyltrimethoxysilane	OECD Test Guideline 405 (Rabbit): No eye irritation
Titanium, Bis(ethyl acetoacetate)-diisopropoxy	No data available.
C.I. Pigment Brown 24 (9% as Sb, 5% as Cr)	(Rabbit): not irritating (not classified according to the German Dangerous Substances legislation) No data available.
Carbon Black	No data available.

Respiratory sensitization

Product: No data available.

Components:

Decamethylcyclopentasiloxane	No data available.
TITANIUM DIOXIDE	No data available.
Methyltrimethoxysilane	No data available.
Titanium, Bis(ethyl acetoacetate)-diisopropoxy	No data available.
C.I. Pigment Brown 24 (9% as Sb, 5% as Cr)	No data available.
Carbon Black	No data available.

Skin sensitization

Product: No data available.

Components:

Decamethylcyclopentasiloxane	No data available.
TITANIUM DIOXIDE	No data available.
Methyltrimethoxysilane	No data available.
Titanium, Bis(ethyl acetoacetate)-diisopropoxy	No data available.
C.I. Pigment Brown 24 (9% as Sb, 5% as Cr)	No data available.

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Carbon Black No data available.

**Carcinogenicity
Product:**

No data available.

Components:

Decamethylcyclopentasil
oxane No data available.

TITANIUM DIOXIDE No data available.

Methyltrimethoxysilane No data available.

Titanium, Bis(ethyl
acetoacetate)-
diisopropoxy No data available.

C.I. Pigment Brown 24
(9% as Sb, 5% as Cr) No data available.

Carbon Black No data available.

Japan Society for Occupational Health: Carcinogen:

No carcinogenic components identified

Japan. ISHL Designated Carcinogen:

No carcinogenic components identified

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

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Germ Cell Mutagenicity**In vitro**

Product: No data available.

Components:

Decamethylcyclopentasil
oxane No data available.

TITANIUM DIOXIDE No data available.

Methyltrimethoxysilane No data available.

Titanium, Bis(ethyl
acetoacetate)-
diisopropoxy No data available.

C.I. Pigment Brown 24
(9% as Sb, 5% as Cr) No data available.

Carbon Black No data available.

In vivo

Product: No data available.

Components:

Decamethylcyclopentasil
oxane No data available.

TITANIUM DIOXIDE No data available.

Methyltrimethoxysilane No data available.

Titanium, Bis(ethyl
acetoacetate)-
diisopropoxy No data available.

C.I. Pigment Brown 24
(9% as Sb, 5% as Cr) No data available.

Carbon Black No data available.

Reproductive toxicity

Product: No data available.

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Components:

Decamethylcyclopentasil
oxane No data available.

TITANIUM DIOXIDE No data available.

Methyltrimethoxysilane No data available.

Titanium, Bis(ethyl
acetoacetate)-
diisopropoxy No data available.

C.I. Pigment Brown 24
(9% as Sb, 5% as Cr) No data available.

Carbon Black No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:

Decamethylcyclopentasil
oxane No data available.

TITANIUM DIOXIDE No data available.

Methyltrimethoxysilane No data available.

Titanium, Bis(ethyl
acetoacetate)-
diisopropoxy No data available.

C.I. Pigment Brown 24
(9% as Sb, 5% as Cr) No data available.

Carbon Black No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

SIFACOAT-DARKGRAY-N-45**Components:**

Decamethylcyclopentasil oxane	No data available.
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TITANIUM DIOXIDE	No data available.
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Methyltrimethoxysilane	No data available.
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Titanium, Bis(ethyl acetoacetate)- diisopropoxy	No data available.
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C.I. Pigment Brown 24 (9% as Sb, 5% as Cr)	No data available.
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Carbon Black	No data available.
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Aspiration Hazard

Product:	No data available.
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Components:

Decamethylcyclopentasil oxane	No data available.
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TITANIUM DIOXIDE	No data available.
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Methyltrimethoxysilane	No data available.
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Titanium, Bis(ethyl acetoacetate)- diisopropoxy	No data available.
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C.I. Pigment Brown 24 (9% as Sb, 5% as Cr)	No data available.
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Carbon Black	No data available.
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Other effects:	No data available.
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12 Ecological information**Ecotoxicity:****Acute hazards to the aquatic environment****Fish**

Product:	No data available.
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SIFACOAT-DARKGRAY-N-45**Components:**

TITANIUM DIOXIDE	LC0 (Leuciscus idus, 48 h): > 1,000 mg/l
C.I. Pigment Brown 24 (9% as Sb, 5% as Cr)	LC0 (Leuciscus idus, 48 h): > 1,000 mg/l

Aquatic Invertebrates

Product:	No data available.
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Toxicity to Aquatic Plants

Product:	No data available.
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Components:

Decamethylcyclopentasil oxane	No data available.
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TITANIUM DIOXIDE	No data available.
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Methyltrimethoxysilane	No data available.
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Titanium, Bis(ethyl	No data available.
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acetoacetate)-	
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diisopropoxy	No data available.
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C.I. Pigment Brown 24	
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(9% as Sb, 5% as Cr)	
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Carbon Black	No data available.
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Toxicity to microorganisms

Product:	No data available.
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Components

Decamethylcyclopentasil oxane	No data available.
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TITANIUM DIOXIDE	EC0 (Pseudomonas putida, 24 h): > 10,000 mg/l
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Methyltrimethoxysilane	No data available.
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Titanium, Bis(ethyl	No data available.
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acetoacetate)-	
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diisopropoxy	
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C.I. Pigment Brown 24	EC0 (Echerichia coli): > 5,000 mg/l (No data available.)
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(9% as Sb, 5% as Cr)	EC0 (Pseudomonas aeruginosa): > 10,000 mg/l (No data available.)
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Carbon Black	No data available.
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Chronic hazards to the aquatic environment**Fish**

Product:	No data available.
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Aquatic Invertebrates

Product:	No data available.
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Toxicity to Aquatic Plants

Product:	No data available.
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Components:

Decamethylcyclopentasil oxane	No data available.
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TITANIUM DIOXIDE	No data available.
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Methyltrimethoxysilane	No data available.
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Titanium, Bis(ethyl	No data available.
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SIFACOAT-DARKGRAY-N-45

acetoacetate)-
diisopropoxy
C.I. Pigment Brown 24
(9% as Sb, 5% as Cr)

No data available.

Carbon Black

No data available.

Persistence and Degradability**Biodegradation**

Product: No data available.

Components:

TITANIUM DIOXIDE 0 %

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential**Bioconcentration Factor (BCF)**

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility in soil: No data available.

Hazardous to the ozone layer: Not Regulated

Further Information: No data available.

13 Disposal considerations

General information: See Section 8 for information on appropriate personal protective equipment. The generation of waste should be avoided or minimized wherever possible. Do not discharge into drains, water courses or onto the ground.

Disposal methods: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging: Dispose of as unused product.

14 Transport information**International regulations****IATA**

Not Regulated.

SIFACOAT-DARKGRAY-N-45**IMDG Code**

Not Regulated.

National Regulations**Domestic Standard:** In compliance with domestic law.**Special precautions for user:**

This product is Combustible as defined by the US Department of Transportation (DOT). It is regulated for transport in the US in container > 119 gallons. The product is not regulated for transport by the IATA, ADR/RID, ADNR or the IMDG regulations.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Product is not transported in bulk.

15 Regulatory information**Japan CSCL:****Priority Assessment Chemical Substances:**

Not Regulated

Monitoring Chemical Substances:

Not Regulated

Law concerning Pollutant Release and Transfer Register:**Specified Class 1 substance(s):**

Not Regulated.

Class 1 Substance(s):

Not Regulated.

Class 2 Substance(s):

Not Regulated.

Industrial Safety and Health Act:**Article 57-2 Regulated Substance(s):**

2,2,4,4,6,6,8,8,10,10-Decamethylcyclopentasiloxane
Titanium dioxide
Trimethoxy(methyl)silane
Carbonblack
Antimony and Antimony compounds (except Antimony trioxide)Chromium and Chromium compounds (excluding Chromic acid and its salts & Dichlomic acid and its salts)

Enforcement date: 04/01/2026

Enforcement date: 04/01/2026

Article 57 Regulated Substance(s) subject to labeling:

2,2,4,4,6,6,8,8,10,10-Decamethylcyclopentasiloxane
Titanium dioxide
Trimethoxy(methyl)silane

Enforcement date: 04/01/2026

Enforcement date: 04/01/2026

SIFACOAT-DARKGRAY-N-45

Carcinogens (Enforcement Rule Art. 577-2-3) subject to 30-year storage of work records, etc.:

Not Regulated

Skin and Eye Damage Substances for PPE Requirements (ISHL MO Art. 594-2):

Not Regulated

**Organic Solvent Regulation:
Specified Substances Regulation:**

Not Regulated

Class 1 designated chemical substances:

Not Regulated

Class 2 designated chemical substances:

Not Regulated

Class 3 designated chemical substances:

Not Regulated

Poisonous and Deleterious Substances Control Act:

Specified poisonous substance(s):

Main law:

Not Regulated

Cabinet order:

Not Regulated

Poisonous Substance(s):

Main law:

Not Regulated

Cabinet order:

Not Regulated

Deleterious Substance(s):

Main law:

Not Regulated

Cabinet order:

Not Regulated

Fire Service Law:

Group 4: Flammable liquids, Type 3 petroleums,
Water insoluble liquid Hazardous rank III
Keep away from fire

High Pressure Gas Safety Law:

Not Regulated

Act on Prevention of Marine Pollution and Maritime Disaster:

Not Regulated

SIFACOAT-DARKGRAY-N-45**Inventory Status:**

Australia Industrial Chem. Act (AIIC):	On or in compliance with the inventory	Remarks: None.
Canada DSL Inventory List:	Not in compliance with the inventory.	Remarks: None.
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remarks: None.
Japan (ENCS) List:	On or in compliance with the inventory	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	Remarks: None.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory	Remarks: None.
Philippines PICCS:	On or in compliance with the inventory	Remarks: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.
US TSCA Inventory:	On or in compliance with the inventory	Remarks: Commercial Status: Active

16 Other Information

Issue Date: 02/18/2026
SDS No.:
Disclaimer:

Notice to reader

This material is developed and manufactured for industrial applications only. For medical or other special applications, use after performing safety testing on the product and confirming safety. Never use for human applications such as implant, impregnation, or where a residue may possibly remain in the body.

Further Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Literature Reference: No data available.