

RILSAN® 7413 BLUE MAC ES

1. PRODUCT AND COMPANY IDENTIFICATION**Company**

Arkema Inc.
900 First Avenue
King of Prussia, Pennsylvania 19406

Specialty Polyamides

Customer Service Telephone Number: (800) 932-0420
(Monday through Friday, 8:00 AM to 5:00 PM EST)

Emergency Information

Transportation: CHEMTREC: (800) 424-9300
(24 hrs., 7 days a week)
Medical: Rocky Mountain Poison Center: (866) 767-5089
(24 hrs., 7 days a week)

Product Information

Product name: RILSAN® 7413 BLUE MAC ES
Synonyms: Not available
Molecular formula: Mixture
Chemical family: Polyamide 11
Product use: Anti-corrosion coating of metal components - applied by the electrostatic spraying of coloured or natural powder

SECTION 2: HAZARDS IDENTIFICATION**Emergency Overview**

Color: blue
Physical state: solid
Form: powder
Odor: odourless

***Classification of the substance or mixture:**
See Supplemental Hazard Statements below.

GHS-Labeling

Signal word: **Warning**

RILSAN® 7413 BLUE MAC ES

Hazard statements:

This material is considered hazardous under the OSHA Hazard Communication Standard criteria, based on hazard(s) not otherwise classified.

Supplemental Hazard Statements:

Processing may release vapors and/or fumes which cause eye, skin and respiratory tract irritation.
May form combustible dust concentrations in air.

Supplemental information:**Potential Health Effects:**

The product, in the form supplied, is not anticipated to produce significant adverse human health effects. Contains high molecular weight polymer(s). Effects due to processing releases: Irritating to eyes, respiratory system and skin.
Prolonged or repeated exposure may cause: headache, drowsiness, nausea, weakness, (severity of effects depends on extent of exposure).

Other:

Handle in accordance with good industrial hygiene and safety practice. (powder) Mechanical irritation effects from dust exposure are possible at ambient temperature. This product may release fume and/or vapor of variable composition depending on processing time and temperature. The metal compounds in poorly soluble pigments are not expected to be as bioavailable, and will not necessarily exhibit the same properties, as the metals or metal salts in their pure state.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Wt/Wt	GHS Classification**
Undecanoic acid, 11-amino-, homopolymer	25587-80-8	≥ 60 - < 100 %	Not classified
Proprietary component	Proprietary*	≥ 5 - < 10 %	Not classified
C.I. Pigment Blue 28	1345-16-0	≥ 5 - < 10 %	Not classified

RILSAN® 7413 BLUE MAC ES

Proprietary Ingredient	Proprietary*	$\geq 5 - < 10 \%$	Not classified
Titanium oxide (TiO ₂)	13463-67-7	$\geq 1 - < 5 \%$	Not classified
Kaolin	1332-58-7	$\geq 1 - < 5 \%$	Not classified

*The specific chemical identity is withheld because it is trade secret information of Arkema Inc.

**For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES**4.1. Description of necessary first-aid measures:****Inhalation:**

If inhaled, remove victim to fresh air.

Skin:

In case of contact, immediately flush skin with plenty of water. If molten polymer gets on the skin, cool rapidly with cold water. Do not peel solidified product off the skin. Obtain medical treatment for thermal burns. Remove material from clothing. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eyes:

Immediately flush eye(s) with plenty of water. Obtain medical treatment for thermal burns.

Ingestion:

If swallowed, DO NOT induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms/effects, acute and delayed:

For most important symptoms and effects (acute and delayed), see Section 2 (Hazard Statements and Supplemental Information if applicable) and Section 11 (Toxicology Information) of this SDS.

4.3. Indication of any immediate medical attention and special treatment needed:

Unless otherwise noted in Notes to Physician, no specific treatment noted; treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES**Extinguishing media (suitable):**

Water spray

Extinguishing media (unsuitable):

High volume water jet

Protective equipment:

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand / NIOSH approved or equivalent).

Further firefighting advice:

Do not use a solid stream of water.

A solid stream of water can cause a dust explosion.

Fire fighting equipment should be thoroughly decontaminated after use.

Fire and explosion hazards:

Dust clouds generated during handling and/or storage can form explosive mixtures with air. Dust explosion characteristics vary with the particle size, particle shape, moisture content, contaminants, and other variables.

Note: Check that all equipment is properly grounded and installed to satisfy electrical classification requirements. As with any dry material, pouring this material or allowing it to free-fall or to be conveyed through chutes or pipes can accumulate and generate electrostatic sparks, potentially causing ignition of the material itself, or of any flammable materials which may come into contact with the material or its container.

When burned, the following hazardous products of combustion can occur:

Carbon oxides

Hazardous organic compounds

Hydrogen cyanide (hydrocyanic acid)
(traces)

Metal oxides

Nitrogen oxides

Sulphur oxides

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, Emergency procedures, Methods and materials for containment/clean-up:**

Prevent further leakage or spillage if you can do so without risk. Evacuate area of all unnecessary personnel. Ventilate the area. Eliminate all ignition sources. Avoid dust formation and dispersal of dust in the air. Wet down (dampen) the spilled material with water. Sweep or scoop up using non-sparking tools and place into suitable properly labeled containers for prompt disposal. The sweepings should be wetted down further with water. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Implement workplace practices such that dusts are not allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

Protective equipment:

Appropriate personal protective equipment is set forth in Section 8.

RILSAN® 7413 BLUE MAC ES

SECTION 7: HANDLING AND STORAGE**Handling****General information on handling:**

Avoid breathing dust.
Avoid breathing processing fumes or vapors.
Keep away from heat, sparks and flames.
Keep container closed.
Avoid creating dust in handling, transfer or clean up.
Prevent dust accumulation.
Implement routine housekeeping practices to ensure that dusts do not accumulate on surfaces.
Check that all equipment is properly grounded and installed to satisfy electrical classification requirements.
Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations.
Container hazardous when empty.
Follow label warnings even after container is emptied.
RESIDUAL DUSTS MAY EXPLODE ON IGNITION.
DO NOT CUT, DRILL, GRIND, OR WELD ON OR NEAR THIS CONTAINER.
Improper disposal or reuse of this container may be dangerous and/or illegal.
Emptied container retains product residue.
Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin, and clothing.
If bubbles or fumes are generated in the product during processing operations, stop the operation and purge the process equipment with the appropriate high temperature product.

Storage**General information on storage conditions:**

Keep in a dry, cool place. Store in closed containers, in a secure area to prevent container damage and subsequent spillage. Store away from moisture and heat to maintain the technical properties of the product. Store in well ventilated area away from heat and sources of ignition such as flame, sparks and static electricity. Ensure that all storage and handling equipment is properly grounded and installed to satisfy electrical classification requirements. Static electricity may accumulate when transferring material. All metal and groundable storage containers, including but not limited to drums, cylinders, Returnable Intermodal Bulk Containers (RIBCs) and Class C Flexible Intermodal Bulk Containers (FIBCs) must be bonded and grounded during filling and emptying operations. Observe all federal, state and local regulations and National Fire Protection Association (NFPA) Codes, which pertain to the specific local conditions of storage and use, including NFPA 654.

Storage stability – Remarks:

Stable under normal conditions.

Storage incompatibility – General:

Strong acids
Strong oxidizing agents

Temperature tolerance – Do not store above:

140 °F (60 °C)

RILSAN® 7413 BLUE MAC ES

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Airborne Exposure Guidelines:****C.I. Pigment Blue 28 (1345-16-0)**

US. ACGIH Threshold Limit Values

Expressed as:	as Co
Time weighted average	0.02 mg/m3

Titanium oxide (TiO₂) (13463-67-7)

US. ACGIH Threshold Limit Values

Form:	Respirable finescale particles
Time weighted average	2.5 mg/m3
Form:	Respirable nanoscale particles
Time weighted average	0.2 mg/m3

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Form:	Total dust
PEL:	15 mg/m3

US. OSHA Table Z-3 (29 CFR 1910.1000)

Form:	Respirable fraction.
Time weighted average	15millions of particles per cubic foot of air

US. OSHA Table Z-3 (29 CFR 1910.1000)

Form:	Total dust
Time weighted average	15 mg/m3

US. OSHA Table Z-3 (29 CFR 1910.1000)

Form:	Total dust
Time weighted average	50millions of particles per cubic foot of air

US. OSHA Table Z-3 (29 CFR 1910.1000)

Form:	Respirable fraction.
Time weighted average	5 mg/m3

Kaolin (1332-58-7)

SAFETY DATA SHEET



RILSAN® 7413 BLUE MAC ES

US. ACGIH Threshold Limit Values

Form:	Respirable fraction.
Time weighted average	2 mg/m ³
Remarks:	The value is for particulate matter containing no asbestos and <1% crystalline silica.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Form:	Respirable fraction.
PEL:	5 mg/m ³

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Form:	Total dust
PEL:	15 mg/m ³

Only those components with exposure limits are printed in this section. Limits with skin contact designation above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required. Limits with a sensitizer designation above mean that exposure to this material may cause allergic reactions.

Engineering controls:

Investigate engineering techniques to reduce exposures below airborne exposure limits or to otherwise reduce exposures. Provide ventilation if necessary to minimize exposures or to control exposure levels to below airborne exposure limits (if applicable see above). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

Check that all dust control equipment such as local exhaust ventilation, material transport systems, and air-material separation devices involved in handling this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Isolation devices may be appropriate to prevent propagation from one unit to another. Ensure that dust-handling systems are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Consult ACGIH ventilation manual, NFPA Standard 91 and NFPA Standard 654 for design of exhaust system and safe handling.

Respiratory protection:

Avoid breathing dust. Avoid breathing processing fumes or vapors. Where airborne exposure is likely or airborne exposure limits are exceeded (if applicable, see above), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components and substances released during processing. Observe respirator use limitations specified by NIOSH or the manufacturer. Consult respirator manufacturer to determine appropriate type equipment for a given application. For emergency and other conditions where there may be a potential for significant exposure or where exposure limit may be significantly exceeded, use an

Product code: A09533

Version 2.3

Issued on: 03/09/2023

Page: 7 / 18

RILSAN® 7413 BLUE MAC ES

approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

Skin protection:

Processing of this product releases vapors or fumes which may cause skin irritation. Minimize skin contamination by following good industrial hygiene practice. Wash hands and contaminated skin thoroughly after contact with processing fumes or vapors. Wash thoroughly after handling.

Eye protection:

Use good industrial practice to avoid eye contact. Processing of this product releases vapors or fumes which may cause eye irritation. Where eye contact may be likely, wear chemical goggles and have eye flushing equipment available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color:	blue
Physical state:	solid
Form:	powder
Odor:	odourless
Odor threshold:	No data available.
Flash point	Not applicable
Auto-ignition temperature:	842 °F (450 °C) (Method: Standard ASTM 19-29)
Lower flammable limit (LFL):	30 mg/m3
Upper flammable limit (UFL):	No data available.
pH:	No data available.
Density:	0.43 g/cm3 loose 0.63 g/cm3 packed
Specific Gravity (Relative density):	No data available
Bulk density:	400 - 600 kg/m3 68 °F (20 °C)
Vapor pressure:	No data available.
Vapor density:	No data available.

RILSAN® 7413 BLUE MAC ES

Boiling point/boiling range:	No data available.
Melting point/range:	> 356 °F (> 180 °C)
Freezing point:	No data available.
Evaporation rate:	No data available.
Solubility in water:	68 °F (20 °C) insoluble (on the basis of its structure)
Solubility in other solvents: [qualitative and quantitative]	Insoluble in most organic solvents
Viscosity, dynamic:	No data available
Particle size:	approximately 1 - 110 µm
Oil/water partition coefficient:	No data available.
Thermal decomposition:	662 °F (350 °C)
Flammability:	See GHS Classification in Section 2 if applicable

SECTION 10: STABILITY AND REACTIVITY**Stability:**

The product is stable under normal handling and storage conditions.

Hazardous reactions:

Hazardous polymerization does not occur.

Materials to avoid:

Strong acids and oxidizing agents

Conditions / hazards to avoid:

Store protected from moisture and heat. (to maintain the technical properties of the product). See Hazardous Decomposition Products below.

Hazardous decomposition products:

Thermal decomposition giving toxic, flammable, and / or corrosive products:

Carbon oxides

Ammonia

Hydrogen cyanide (hydrocyanic acid)
(traces)

Hazardous organic compounds

Amine derivatives

RILSAN® 7413 BLUE MAC ES

Metal oxides
Nitrogen oxides
Sulphur oxides

SECTION 11: TOXICOLOGICAL INFORMATION

Data on this material and/or its components are summarized below.

Data for Undecanoic acid, 11-amino-, homopolymer (25587-80-8)**Acute toxicity****Oral:**

No deaths occurred. (rat) LD₀ > 2,000 mg/kg.

Dermal:

No deaths occurred. (rat) LD₀ > 2,000 mg/kg.

Skin Irritation:

Not irritating. (In vitro)

Eye Irritation:

Not irritating. (In vitro) Bovine corneal opacity and permeability assay (BCOP)

Skin Sensitization:

Not a sensitizer. LLNA: Local Lymph Node Assay. (mouse) No skin allergy was observed.

Repeated dose toxicity

Subchronic dietary administration to rat, dog / No adverse systemic effects reported.

Genotoxicity**Assessment in Vitro:**

No genetic changes were observed in laboratory tests using: bacteria

Other information

The information presented is from representative materials with this Chemical Abstract Service (CAS) Registry number. The results vary depending on the size and composition of the test substance.

Data for Proprietary component (Proprietary)**Acute toxicity****Oral:**

Practically nontoxic. (rat) LD₅₀ > 5,000 mg/kg.

Dermal:

Practically nontoxic. (rat) LD₅₀ > 5,000 mg/kg.

Inhalation:

No deaths occurred. (rat) 4 h LC₀ > 2.07 mg/l. (dust/mist)

RILSAN® 7413 BLUE MAC ES

Skin Irritation:

Not irritating. (rabbit) (4 h)

Eye Irritation:

Causes mild eye irritation. (rabbit)

Skin Sensitization:

Not a sensitizer. LLNA: Local Lymph Node Assay. (mouse) No skin allergy was observed.

Repeated dose toxicity

Chronic dietary administration to rat / No adverse systemic effects reported.

Subchronic inhalation administration to rat / affected organ(s): Lungs / signs: changes in organ structure or function

Carcinogenicity

Chronic dietary administration to rat / No increase in tumor incidence was reported.

Chronic inhalation administration to rat / No increase in tumor incidence was reported.

Genotoxicity**Assessment in Vitro:**

No genetic changes were observed in laboratory tests using: bacteria, animal cells, human cells

Developmental toxicity

Exposure during pregnancy. Oral (rabbit) / No birth defects were observed.

Other information

The information presented is from representative materials in this chemical class. The results may vary depending on the test substance.

Human experience**Skin contact:**

Non-irritating. No skin allergy was observed

Human experience**Eye contact:**

slightly irritating.

Data for C.I. Pigment Blue 28 (1345-16-0)**Acute toxicity****Oral:**

Practically nontoxic. (rat) LD50 > 10,000 mg/kg.

Inhalation:

Practically nontoxic. (rat) 4 h LC50 > 5.07 mg/l. (dust/mist, data for a similar material)

RILSAN® 7413 BLUE MAC ES

Skin Irritation:

Not irritating. (rabbit) (4 h) (occluded exposure)

Eye Irritation:

Not irritating. (rabbit) (data for a similar material)

Skin Sensitization:

Not a sensitizer. LLNA: Local Lymph Node Assay. (mouse) No skin allergy was observed. (data for a similar material)

Genotoxicity**Assessment in Vitro:**

No genetic changes were observed in laboratory tests using: bacteria

Other information

Heavy metals within this lattice structure are not soluble in HCL and are not bioavailable.

Human experience**Inhalation:**

Respiratory tract: irritation, coughing, decreased lung function. Exposures exceeded recommended occupational exposure limit. (based on reports of occupational exposure to workers) (dust)

Human experience**Skin contact:**

Skin: rash. (based on reports of occupational exposure to workers) (dust)

Data for Proprietary Ingredient (Proprietary)**Acute toxicity****Oral:**

Practically nontoxic. (rat) LD50 > 10,000 mg/kg.

Data for Titanium oxide (TiO₂) (13463-67-7)**Acute toxicity****Oral:**

Practically nontoxic. (rat) LD50 > 5,000 mg/kg.

Dermal:

Practically nontoxic. (rabbit) LD50 > 10,000 mg/kg.

Inhalation:

Practically nontoxic. (rat) 4 h LC50 > 6.82 mg/l. (dust/mist)

Skin Irritation:

Practically non-irritating. (rabbit) (4 h)

Eye Irritation:

Causes mild eye irritation. (rabbit)

RILSAN® 7413 BLUE MAC ES

Skin Sensitization:

Not a sensitizer. LLNA: Local Lymph Node Assay. (mouse) No skin allergy was observed.

Not a sensitizer. Buehler Test. (guinea pig) No skin allergy was observed.

Repeated dose toxicity

Subchronic inhalation administration to rat / affected organ(s): respiratory tract / Local irritation of the respiratory system

Subchronic oral administration to rat / No adverse effects reported.

Carcinogenicity

Chronic dietary administration to rat and mouse / No increase in tumor incidence was reported.

Classified by the International Agency for Research on Cancer as: Group 2B: Possibly carcinogenic to humans.

Genotoxicity**Assessment in Vitro:**

No genetic changes were observed in laboratory tests using: bacteria, animal cells, human cells

Genotoxicity**Assessment in Vivo:**

No genetic changes were observed in laboratory tests using: mice, rats

Developmental toxicity

Exposure during pregnancy. Oral (rat) / No birth defects were observed.

Reproductive effects

Extended One-Generation Reproductive Toxicity Study. Dietary (rat) / No toxicity to reproduction.

Human experience**Skin contact:**

Skin: No skin allergy was observed. (studied using human volunteers)

Data for Kaolin (1332-58-7)**Acute toxicity****Oral:**

Practically nontoxic. (rat) LD50 > 5,000 mg/kg.

Dermal:

Practically nontoxic. (rat) LD50 > 5,000 mg/kg.

Inhalation:

Practically nontoxic. (rat) 1 h LC50 = 36 mg/l. (dust/mist)

Skin Irritation:

Not irritating. (rabbit)

RILSAN® 7413 BLUE MAC ES

Eye Irritation:

Causes mild eye irritation. (rabbit)

Repeated dose toxicity

inhalation administration to rat / affected organ(s): Lungs / signs: fibrosis

dietary administration to rat / signs: decreased growth rate

Human experience**Inhalation:**

Lungs: A benign dust induced lung condition, without impairment of lung function.. (dust) (repeated or prolonged exposure) (severity of effects depends on extent of exposure)

SECTION 12: ECOLOGICAL INFORMATION**Chemical Fate and Pathway**

No data are available.

Ecotoxicology

Data on this material and/or its components are summarized below.

Data for Proprietary component (Proprietary)

The information presented is from representative materials in this chemical class. The results may vary depending on the test substance.

Aquatic toxicity data:

No effect up to the limit of solubility. Danio rerio (zebra fish) 96 h LC50 > 100 mg/l (Nominal concentration, Water accommodated fraction was tested.)

Aquatic invertebrates:

No effect up to the limit of solubility. Daphnia magna (Water flea) 48 h EC50 > 100 mg/l (Nominal concentration, Water accommodated fraction was tested.)

Algae:

No effect up to the limit of solubility. Desmodesmus subspicatus (green algae) 72 h ErC50 > 100 mg/l (Nominal concentration, Water accommodated fraction was tested.)

Chronic toxicity to fish:

No effect up to the limit of solubility. Oncorhynchus mykiss (rainbow trout) 10 d NOEC > 100 mg/l (Nominal concentration)

Chronic toxicity to aquatic invertebrates:

No effect up to the limit of solubility. Daphnia magna (Water flea) 21 d NOEC = 1,000 mg/l (Nominal concentration Water accommodated fraction was tested.)

Chronic toxicity to aquatic plants:

No effect up to the limit of solubility. Desmodesmus subspicatus (green algae) 72 h ErC10 = 41 mg/l (Nominal concentration, Water accommodated fraction was tested.)

RILSAN® 7413 BLUE MAC ES

Data for Proprietary Ingredient (Proprietary)**Aquatic toxicity data:**

Practically nontoxic. *Oryzias latipes* (Japanese medaka) 96 h LC50 > 32,000 mg/l

Data for Titanium oxide (TiO₂) (13463-67-7)**Aquatic toxicity data:**

No effect up to the limit of solubility. *Oncorhynchus mykiss* (rainbow trout) 14 d LC50

Aquatic invertebrates:

No effect up to the limit of solubility. *Daphnia magna* (Water flea) 48 h EC50 > 100 mg/l (Nominal concentration)

Algae:

No effect up to the limit of solubility. *Pseudokirchneriella subcapitata* (green algae) 72 h ErC50 > 100 mg/l (Nominal concentration)

Microorganisms:

Activated sludge 3 h EC50 > 1,000 mg/l

Chronic toxicity to aquatic invertebrates:

No effect up to the limit of solubility. Reproduction Test / *Daphnia magna* (Water flea) 21 d NOEC > 5 mg/l (Nominal concentration)

Chronic toxicity to aquatic plants:

No effect up to the limit of solubility. *Pseudokirchneriella subcapitata* (green algae) 72 h NOEC > 100 mg/l (Nominal concentration)

Data for Kaolin (1332-58-7)**Aquatic toxicity data:**

Practically nontoxic. *Oncorhynchus mykiss* (rainbow trout) 96 h LC50 > 100 mg/l

Aquatic invertebrates:

Toxic. *Daphnia magna* (Water flea) 48 h EC50 > 1 mg/l

Algae:

Practically nontoxic. *Scenedesmus subspicatus* (green algae) 72 h EC50 > 100 mg/l

SECTION 13: DISPOSAL CONSIDERATIONS**Waste disposal:**

Where possible recycling is preferred to disposal or incineration. If recycling is not an option, incinerate or dispose of in accordance with federal, state, and local regulations. Pigmented, filled and/or solvent laden product may require special disposal practices in accordance with federal, state and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may

RILSAN® 7413 BLUE MAC ES

be more restrictive or otherwise different from federal laws and regulations.

SECTION 14: TRANSPORT INFORMATION

US Department of Transportation (DOT): not regulated

International Maritime Dangerous Goods Code (IMDG): not regulated

SECTION 15: REGULATORY INFORMATION
Chemical Inventory Status

US. Toxic Substances Control Act	TSCA	The components of this product are all on the Active TSCA Inventory.
Canadian Domestic Substances List (DSL)	DSL	All components of this product are on the Canadian DSL
China. Inventory of Existing Chemical Substances in China (IECSC)	IECSC (CN)	All components of this product are listed or exempted
Japan. ENCS - Existing and New Chemical Substances Inventory	ENCS (JP)	All components of this product are listed or exempted
Japan. ISHL - Inventory of Chemical Substances	ISHL (JP)	All components of this product are listed or exempted
Korea. Korean Existing Chemicals Inventory (KECI)	KECI (KR)	All components of this product are listed or exempted
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	PICCS (PH)	All components of this product are listed or exempted
Australian Inventory of Industrial Chemicals	AU AIICL	Not all components of this product are listed or exempted
Taiwan Chemical Substance Inventory (TCSI)	TCSI	All components of this product are listed or exempted

United States – Federal Regulations
SARA Title III – Section 302 Extremely Hazardous Chemicals:

The components in this product are either not SARA Section 302 regulated or regulated but present in negligible concentrations.

SARA Title III - Section 311/312 Hazard Categories:

Fire Hazard

SAFETY DATA SHEET



RILSAN® 7413 BLUE MAC ES

SARA Title III – Section 313 Toxic Chemicals:

The following components are subject to reporting levels established by SARA Title III, Section 313:

<u>Chemical name</u>	<u>CAS-No.</u>	<u>De minimis concentration</u>	<u>Reportable threshold:</u>
C.I. Pigment Blue 28	1345-16-0	0.1 %	10000 lbs (Otherwise used (non-manufacturing/processing)) 25000 lbs (Manufacturing and processing)

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantity (RQ):

<u>Chemical name</u>	<u>CAS-No.</u>	<u>Reportable quantity</u>
Sulfuric acid, barium salt (1:1)	7727-43-7	1000 lbs

United States – State Regulations**California Prop. 65**

WARNING! This product contains a chemical known to the State of California to cause cancer.

<u>Chemical name</u>	<u>CAS-No.</u>
Titanium oxide (TiO ₂)	13463-67-7
Carbon black	1333-86-4
Quartz (SiO ₂)	14808-60-7

SECTION 16: OTHER INFORMATION**Miscellaneous:**

Other information: Refer to National Fire Protection Association (NFPA) Code 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

Latest Revision(s):

Reference number: 200006329
Date of Revision: 03/09/2023
Date Printed: 03/09/2023

Product code: A09533

Version 2.3

Issued on: 03/09/2023

Page: 17 / 18

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