

Safety Data Sheet

FINISH FRC MATTE BASE

AkzoNobel

Safety Data Sheet dated 3/9/2020, version 2

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: FINISH FRC MATTE BASE

Other means of identification:

Trade code: 687XXXXXB

Recommended use of the chemical and restrictions on use

Recommended use:

Water based 2K polyurethane paint

Restrictions on use:

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company:

MAPAERO SAS

10, Avenue de la Rijole

09100 PAMIERS

FRANCE

Tel : +33 (0)5 34 01 34 01 / Fax : +33 (0)5 61 60 23 30

Competent person responsible for the safety data sheet:

PSRA_PAMIERS@akzonobel.com

Emergency phone number

800-424-9300 CHEMTREC (USA)

+1-703-527-3887 CHEMTREC (International)

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Label elements

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None.

Additional classification information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 20% - < 25% titanium dioxide

REACH No.: 01-2119489379-17, CAS: 13463-67-7, EC: 236-675-5

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The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

>= 2.5% - < 5% talc

CAS: 14807-96-6, EC: 238-877-9

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

>= 0.5% - < 2.5% Silicon dioxide

REACH No.: 01-2119379499-16, CAS: 7631-86-9, EC: 231-545-4

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

>= 0.5% - < 2.5% silane, dichlorodimethyl-, reaction products with silica

CAS: 68611-44-9, EC: 271-893-4

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

>= 0.1% - < 0.5% paraffin and hydrocarbon waxes

REACH No.: 01-2119488076-30, CAS: 8002-74-2, EC: 232-315-6

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed

Treatment:

None

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures
Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.
Methods and materials for containment and cleaning up
Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Do not use on extensive surface areas in premises where there are occupants.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Do not eat or drink while working.
Conditions for safe storage, including any incompatibilities
Stored between 5°C and 35°C (41°F and 95°F) in full and sealed original packaging.
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.
Storage temperature:
Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
titanium dioxide - CAS: 13463-67-7
- OEL Type: ACGIH - TWA(8h): 10 mg/m3
- OEL Type: VME - TWA: 10 mg/m3
- OEL Type: MAK-KZW - STEL(15min): 10 mg/m3
- OEL Type: MAK-TMW - TWA(8h): 5 mg/m3
- OEL Type: DFG - TWA(8h): 0.3 mg/m3 - STEL(15min): 2.4 mg/m3
talc - CAS: 14807-96-6
- OEL Type: MAK-TMW - TWA(8h): 2 mg/m3
- OEL Type: ACGIH - TWA(8h): 2 mg/m3
Silicon dioxide - CAS: 7631-86-9
- OEL Type: VME - TWA(8h): 5 mg/m3
- OEL Type: VME - TWA(8h): 10 mg/m3
- OEL Type: AGW - TWA: 4 mg/m3
- OEL Type: MAK-TMW - TWA(8h): 4 mg/m3
silane, dichlorodimethyl-, reaction products with silica - CAS: 68611-44-9
- OEL Type: VME - TWA(8h): 5 mg/m3
- OEL Type: VME - TWA(8h): 10 mg/m3
paraffin and hydrocarbon waxes - CAS: 8002-74-2
- OEL Type: ACGIH - TWA(8h): 2 mg/m3
- OEL Type: VME - TWA(8h): 2 mg/m3
DNEL Exposure Limit Values
titanium dioxide - CAS: 13463-67-7

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Worker Professional: 10 mg/m³
Silicon dioxide - CAS: 7631-86-9
Worker Professional: 4 mg/m³ - Frequency: Short Term, local effects
Worker Professional: 4 mg/m³ - Frequency: Long Term, local effects

PNEC Exposure Limit Values
titanium dioxide - CAS: 13463-67-7
Target: Marine water - Value: 1 mg/l
Target: Marine water sediments - Value: 100 mg/kg
Target: Fresh Water - Value: 0.127 mg/l
Target: Freshwater sediments - Value: 1000 mg/kg

Appropriate engineering controls:
None

Individual protection measures
Eye protection:
Before handling, wear safety goggles with protective sides accordance with standard EN166.

Protection for skin:
Wear protective clothing against solid chemicals and particles suspended in the air (type 5) in accordance with standard EN13982-1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

Protection for hands:
Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Respiratory protection:
Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 : A2

Particle filter according to standard EN143 : P3
Full-/Half-/quarter-face masks (DIN EN 136/140).

Thermal Hazards:
None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	Liquid
Odour:	Slight odor
Odour threshold:	N.A.
pH:	N.A.
Melting point / freezing point:	32 °F
Initial boiling point and boiling range:	212 °F
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	FP>199.4 °F
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	>1
Solubility in water:	N.A.
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	N.A.
Decomposition temperature:	N.A.
Viscosity:	N.A.
Miscibility:	N.A.

Fat Solubility: N.A.
Conductivity: N.A.
Substance Groups relevant properties: N.A.

10. STABILITY AND REACTIVITY

Reactivity
Stable under normal conditions
Chemical stability
Stable under normal conditions
Possibility of hazardous reactions
None
Conditions to avoid
The frost
The humidity
Incompatible materials
Metals
Acids
Bases
Oxidizing agents
Hazardous decomposition products
Nitrogen oxides
Carbon oxides

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects
Toxicological information of the product:
N.A.
Toxicological information of the main substances found in the product:
Silicon dioxide - CAS: 7631-86-9
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 6000 mg/kg
Test: LC0 - Route: Inhalation - Species: Rat > 140-2000 mg/m3 - Duration: 4h
e) germ cell mutagenicity:
Test: Mutagenesis Negative
g) reproductive toxicity:
Test: NOAEL - Route: Oral - Species: Rat = 1350 mg/kg - Duration: 24h
i) STOT-repeated exposure:
Test: NOAEL - Route: Oral - Species: Rat = 9000 mg/kg - Duration: 24h
Test: NOAEL - Route: Inhalation - Species: Rat = 1 mg/m3
silane, dichlorodimethyl-, reaction products with silica - CAS: 68611-44-9
a) acute toxicity:
Test: LC50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 0.477 mg/l - Duration: 4h
paraffin and hydrocarbon waxes - CAS: 8002-74-2
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 5000 mg/kg
b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Negative
Test: Skin Sensitization - Route: Skin Negative
c) serious eye damage/irritation:
Test: Eye Irritant - Species: Rabbit Negative
e) germ cell mutagenicity:
Test: Mutagenesis Negative
Test: Mutagenesis Negative

- f) carcinogenicity:
Test: NOAEL - Route: Oral - Species: Rat = 5700 mg/kg
- i) STOT-repeated exposure:
Test: NOAEL - Route: Oral - Species: Rat = 1500 mg/kg - Duration: 24h

Substance(s) listed on the NTP report on Carcinogens:
None.

Substance(s) listed on the IARC Monographs:
titanium dioxide - Group 2B
Silicon dioxide - Group 3.

Substance(s) listed as OSHA Carcinogen(s):
Silicon dioxide.

Substance(s) listed as NIOSH Carcinogen(s):
titanium dioxide.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

Silicon dioxide - CAS: 7631-86-9

a) Aquatic acute toxicity:

Endpoint: LC50 Fish > 10000 mg/l - Duration h: 96

c) Bacteria toxicity:

Endpoint: EC50 Daphnia > 10000 mg/l - Duration h: 24

silane, dichlorodimethyl-, reaction products with silica - CAS: 68611-44-9

a) Aquatic acute toxicity:

Endpoint: LC50 Fish > 10000 mg/l - Duration h: 96

Endpoint: EC50 Daphnia > 10000 mg/l - Duration h: 24

Endpoint: CI50 Algae > 10000 mg/l - Duration h: 72

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

None

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

Additional disposal information:

Do not discharge into drains, water, nature.

14. TRANSPORT INFORMATION

UN number

Not classified as dangerous in the meaning of transport regulations.

UN proper shipping name

N.A.

Transport hazard class(es)

N.A.

Packing group

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N.A.
Environmental hazards
ADR-Environmental Pollutant: No
IMDG-Marine pollutant: No
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)
N.A.
The product is transported in conditions that comply with exemption criteria for ADR transport.
Special precautions
N.A.

15. REGULATORY INFORMATION

Volatile Organic compounds - VOCs = 0.00 g/l
Volatile CMR substances = 0.00 %
Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %
Organic Carbon - C = 0.00

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory.

TSCA listed substances:

None.

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances: no substances listed.

Section 304 - Hazardous substances: no substances listed.

Section 313 - Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act

CAA listed substances:

None.

CWA - Clean Water Act

CWA listed substances:

None.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

titanium dioxide

talc

Silicon dioxide

paraffin and hydrocarbure waxes.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

titanium dioxide

talc

paraffin and hydrocarbure waxes.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

titanium dioxide

talc

Silicon dioxide

paraffin and hydrocarbure waxes.

16. OTHER INFORMATION

Safety Data Sheet dated 3/9/2020, version 2
Sections modified from the previous revision:

- 1. IDENTIFICATION
- 2. HAZARD(S) IDENTIFICATION
- 6. ACCIDENTAL RELEASE MEASURES
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 11. TOXICOLOGICAL INFORMATION
- 15. REGULATORY INFORMATION

Disclaimer:

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average