# Safety Data Sheet
# FINISH FR6-55 BASE

AkzoNobel

**Safety Data Sheet dated 3/6/2020, version 2**

## 1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: FINISH FR6-55 BASE

Other means of identification:

Trade code: 66XXXXXXB

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:

>= 25% - < 30% titanium dioxide

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

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).

## 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, inhaltion 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

DNEL Exposure Limit Values

titanium dioxide - CAS: 13463-67-7
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:

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

Wear protective clothing against solid chemicals and particles suspended in the air (type 5) in

accordance with standard EN13982-1 to prevent skin contact.

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

Respiratory protection:
Full-/Half-/quarter-face masks (DIN EN 136/140).
Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 : A2

Particle filter according to standard EN143 : P3

Thermal Hazards:
None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Appearance and colour: | Liquid |
| Odour: | Slight odor |
| Odour threshold: | N.A. |
| pH: | 8 |
| 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 accumulation of electrostatic discharges
Incompatible materials
Acids
Oxidizing agents
Bases
Metals
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

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

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
N.A.
Environmental hazards
ADR-Enviromental 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.
New Jersey Right to know
Substance(s) listed under New Jersey Right to know:
titanium dioxide
talc.
Pennsylvania Right to know
Substance(s) listed under Pennsylvania Right to know:
titanium dioxide

talc
Silicon dioxide.

## 16. OTHER INFORMATION

Safety Data Sheet dated 3/6/2020, version 2
Sections modified from the previous revision:

1. IDENTIFICATION
2. HAZARD(S) IDENTIFICATION
3. COMPOSITION/INFORMATION ON INGREDIENTS
6. ACCIDENTAL RELEASE MEASURES
7. HANDLING AND STORAGE
8. EXPOSURE CONTROLS/PERSONAL PROTECTION
9. PHYSICAL AND CHEMICAL PROPERTIES
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 |