SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2020/878

Poxy Color Green RAL6024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Poxy Color Green RAL6024
Registration number REACH : Not applicable (mixture)
Product type REACH : Mixture

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

1.2.1 Relevant identified uses

Dyestuff

1.2.2 Uses advised against

No uses advised against known

1.3. Details of the supplier of the safety data sheet

Supplier of the safety data sheet

Novatio*
Industrielaan 5B
B-2250 Olen
☎ +32 14 25 76 40
🖷 +32 14 22 02 66
info@novatio.be
*NOVATIO is a registered trademark of Novatech International N.V.

Manufacturer of the product

Novatech International N.V.
Industrielaan 5B
B-2250 Olen
☎ +32 14 85 97 37
🖷 +32 14 85 97 38
info@novatech.be

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch) :
+32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

2.2. Label elements

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

EUH210	Safety data sheet available on request.
EUH212	Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

2.3. Other hazards

Caution! Substance is absorbed through the skin
Warning! Slipping risk

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name REACH Registration No	CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark	M-factors and ATE
antimony-nickel-titanium-oxide-yellow 01-2119491302-44	8007-18-9 232-353-3	10% ≤C<25%		(2)(10)	Constituent	
chromium (III) oxide 01-2119433951-39	1308-38-9 215-160-9	1%≤C<10%		(2)	Constituent	
calcium fluoride	7789-75-5 232-188-7	1%≤C<10%		(2)	Constituent	
quartz (SiO2)	14808-60-7 238-878-4	C>1%		(2)	Constituent	
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] 01-2119489379-17	13463-67-7 236-675-5	C>1%	Carc. 2; H351	(1)(2)	Constituent	
barium sulfate	7727-43-7 231-784-4	C>1%		(2)	Constituent	

(1) For H- and EUH-statements in full: see section 16
(2) Substance with a Community workplace exposure limit
(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

SECTION 4: First aid measures

4.1. Description of first aid measures

General:
If you feel unwell, consult a doctor/medical service.

After inhalation:
Remove victim into fresh air. In case of respiratory problems, consult a doctor/medical service.

After skin contact:
If possible, wipe up/dry remove chemical. Then rinse/shower immediately with (lukewarm) water.

After eye contact:
Rinse immediately with (lukewarm) water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.

After ingestion:
Rinse mouth with water. If you feel unwell, consult a doctor/medical service. Do not wait for symptoms to occur to consult Poison Center.

4.2. Most important symptoms and effects, both acute and delayed

4.2.1 Acute symptoms

After inhalation:
No effects known.

After skin contact:
No effects known.

After eye contact:
No effects known.

After ingestion:
No effects known.

4.2.2 Delayed symptoms
No effects known.

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

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:
Adapt extinguishing media to the environment for surrounding fires.

5.1.2 Unsuitable extinguishing media:
Not applicable.

5.2. Special hazards arising from the substance or mixture

On burning: release of toxic and corrosive gases/vapours (hydrofluoric acid) and formation of metal oxides.

5.3. Advice for firefighters

5.3.1 Instructions:
Dilute toxic gases with water spray. Take account of toxic/corrosive precipitation water.

5.3.2 Special protective equipment for fire-fighters:
Gloves (EN 374). Protective clothing (EN 14605 or EN 13034). Heat/fire exposure: self-contained breathing apparatus (EN 136 + EN 137).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Prevent dust cloud formation, e.g. by wetting. No naked flames. Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: have neighbourhood close doors and windows.

6.1.1 Protective equipment for non-emergency personnel

See section 8.2

6.1.2 Protective equipment for emergency responders

Gloves (EN 374). Protective clothing (EN 14605 or EN 13034).

Suitable protective clothing

See section 8.2

6.2. Environmental precautions

Contain released product.

6.3. Methods and material for containment and cleaning up

Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

6.4. Reference to other sections

See section 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1. Precautions for safe handling

Avoid raising dust. Keep away from naked flames/heat. Observe very strict hygiene - avoid contact. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Meet the legal requirements. Store in a cool area. Store in a dry area. Keep container in a well-ventilated place. Protect against frost. Keep out of direct sunlight.

7.2.2 Keep away from:

Heat sources, oxidizing agents, reducing agents, (strong) acids, (strong) bases.

7.2.3 Suitable packaging material:

No data available

7.2.4 Non suitable packaging material:

No data available

7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

EU

Fluorides, inorganic	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	2.5 mg/m³
Inorganic Chromium (III) Compounds (insoluble)	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	2 mg/m³
Nickel compounds *shall apply from 2025-01-18*	Time-weighted average exposure limit 8 h (Limit value for occupational exposure)	0.01 mg/m³ **(1)**
	Time-weighted average exposure limit 8 h (Limit value for occupational exposure)	0.05 mg/m³ **(2)**
Nickel compounds *shall apply until 2025-01-17*	Time-weighted average exposure limit 8 h (Limit value for occupational exposure)	0.1 mg/m³ **(2)**
Respirable crystalline silica dust	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	0.1 mg/m³ **(1)**

(1) (2): Respirable fraction

(2) (1): Inhalable fraction

Belgium

Antimoine et ses composés (en Sb)	Time-weighted average exposure limit 8 h	0.5 mg/m³
Baryum (sulfate de) (sans fibres d'amiante et	Time-weighted average exposure limit 8 h	5 mg/m³
Chrome métal et composés inorganiques (à l'exception des composés Cr VI)	Time-weighted average exposure limit 8 h	0.5 mg/m³
Composés du nickel, (mesurée en tant que Ni) *shall apply from 2025-01-18*	Time-weighted average exposure limit 8 h	0.01 mg/m³ **(1)**
	Time-weighted average exposure limit 8 h	0.05 mg/m³ **(2)**
Composés du nickel, (mesurée en tant que Ni) *shall apply until 2025-01-17*	Time-weighted average exposure limit 8 h	0.1 mg/m³ **(2)**
Fluorures inorganiques (en F)	Time-weighted average exposure limit 8 h	2.5 mg/m³
Silices cristallines: quartz *shall apply from 2025-09-01*	Time-weighted average exposure limit 8 h	0.05 mg/m³ **(3)**
Silices cristallines: quartz *shall apply until 2025-08-31*	Time-weighted average exposure limit 8 h	0.1 mg/m³ **(3)**
Titane (dioxyde de)	Time-weighted average exposure limit 8 h	10 mg/m³

(1) Fraction alvéolaire
(2) fraction inhalable
(3) poussières alvéolaires

The Netherlands

anorganische Chroom(II)verbindingen en anorganische Chroom(III)verbindingen (onoplosbaar)	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	0.23 ppm
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	0.5 mg/m³
	Short time value (Public occupational exposure limit value)	0.46 ppm
	Short time value (Public occupational exposure limit value)	1 mg/m³
Antimoon en -verbindingen (als Sb)	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	0.099 ppm **(1)**
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	0.5 mg/m³ **(1)**
Fluoriden, anorganisch en oplosbaar (als F)	Short time value (Public occupational exposure limit value)	2.5 ppm **(2)**
	Short time value (Public occupational exposure limit value)	2 mg/m³ **(2)**
Kristallijn silicastof - kwarts	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	0.03 ppm **(3)**
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	0.075 mg/m³ **(3)**

(1) als Sb
(2) als F
(3) respirabele fractie

France

Antimoine et ses composés, en Sb	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	0.5 mg/m³
Chrome (métal), composés de chrome inorganiques (II) et composés de chrome inorganiques (insolubles) (III)	Time-weighted average exposure limit 8 h (VRI: Valeur réglementaire indicative)	2 mg/m³
Fluorures inorganiques	Time-weighted average exposure limit 8 h (VRI: Valeur réglementaire indicative)	2.5 mg/m³
Silices cristallines : cristobalite, quartz, tridymite	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	0.1 mg/m³ **(1)**
Titane (dioxyde de), en Ti	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	10 mg/m³

(1) La valeur limite concerne la fraction alvéolaire

Germany

Bariumsulfat	Time-weighted average exposure limit 8 h (MAK)	0.3 mg/m³ **(1)**
	Time-weighted average exposure limit 8 h (MAK)	4 mg/m³ **(2)**
	ausgenommen sind ultrafeine Partikel; siehe Abschnitt V h vgl. Abschn. V f)	
	vgl. Abschn. V f) und g)	
Chrom und anorganische Chrom(II) und (III)-Verbindungen (ausgenommen namentlich genannte)	Time-weighted average exposure limit 8 h (TRGS 900)	2 mg/m³ **(3)**
	Der Arbeitsplatzgrenzwert bezieht sich auf den Elementgehalt des entsprechenden Metalls.	
Fluoride (als Fluor berechnet)	Time-weighted average exposure limit 8 h (TRGS 900)	1 mg/m³ **(4)**
Nickel und Nickelverbindungen	Time-weighted average exposure limit 8 h (TRGS 900)	0.030 mg/m³ **(5)**
	Der Arbeitsplatzgrenzwert bezieht sich auf den Elementgehalt des entsprechenden Metalls.	
	Die arbeitsmedizinisch-toxikologische Ableitung des Wertesbasiert auf einer Plausibilitätsbetrachtung. Auf die Werte für den A-Staub für Nickelmetall in dieser TRGS und für Nickelverbindungen in der TRGS 910 wird hingewiesen.	
	Für als Carc 1A oder 1B eingestufte Nickelverbindungen siehe TRGS 910 und TRGS 561. Eine Beurteilung anhand des AGW für Nickelmetall kann dann erfolgen, wenn ausschließlich Nickelmetall vorliegt. Sofern bei Tätigkeiten nickelhaltige Stäube entstehen, bei denen nur eine Oberflächenoxidation zu unterstellen ist,sind diese wie nickelmetallhaltige Gemische zu behandeln. Bei Anwendung von thermischen Verfahren in Gegenwart von Luftsauerstoff ist grundsätzlich eine Bildung von oxidischen Nickelverbindungen anzunehmen. Dies ist beispielsweise beim Schweißen (Elektroden oder Draht) und thermischen Schneiden mit bzw. von Legierungen, beim Metallspritzen von Legierungen, beim Schmelzen und Gießen von Legierungen und beim Schleifen und Trennen von Legierungen mit „Funkenbildung" der Fall. Weitere Empfehlungen sowie Beispiele für Arbeitsverfahren, bei denen der AGW bzw. die ERB zur Beurteilung herangezogen werden können, enthält die IFA-Arbeitsmappe (Kennzahl 0537).	
	Der Arbeitsplatzgrenzwert bezieht sich auf den Elementgehalt des entsprechenden Metalls.	
	Die arbeitsmedizinisch-toxikologische Ableitung des Wertesbasiert auf einer Plausibilitätsbetrachtung. Auf die Werte für den A-Staub für Nickelmetall in dieser TRGS und für Nickelverbindungen in der TRGS 910 wird hingewiesen.	
	Für als Carc 1A oder 1B eingestufte Nickelverbindungen siehe TRGS 910 und TRGS 561. Eine Beurteilung anhand des AGW für Nickelmetall kann dann erfolgen, wenn ausschließlich Nickelmetall vorliegt. Sofern bei Tätigkeiten nickelhaltige Stäube entstehen, bei denen nur eine Oberflächenoxidation zu unterstellen ist,sind diese wie nickelmetallhaltige Gemische zu behandeln. Bei Anwendung von thermischen Verfahren in Gegenwart von Luftsauerstoff ist grundsätzlich eine Bildung von oxidischen Nickelverbindungen anzunehmen. Dies ist beispielsweise beim Schweißen (Elektroden oder Draht) und thermischen Schneiden mit bzw. von Legierungen, beim Metallspritzen von Legierungen, beim Schmelzen und Gießen von Legierungen und beim Schleifen und Trennen von Legierungen mit „Funkenbildung" der Fall. Weitere Empfehlungen sowie Beispiele für Arbeitsverfahren, bei denen der AGW bzw. die ERB zur Beurteilung herangezogen werden können, enthält die IFA-Arbeitsmappe (Kennzahl 0537).	
Titandioxid	Time-weighted average exposure limit 8 h (MAK)	0.3 mg/m³ **(6)**

(1) Alveolengängige Fraktion, multipliziert mit der Materialdichte; UF: II(8)
(2) Einatembare Fraktion
(3) Einatembare Fraktion; UF: 1 (I)
(4) Einatembare Fraktion; UF: 4 (II)
(5) Einatembare Fraktion; UF: 8 (II)
(6) Alveolengängige Fraktion; UF: II(8)

Austria

Antimonverbindungen (ausgenommen Antimonwasserstoff und Antimontrioxid)	Tagesmittelwert (MAK)	0.5 mg/m³ **(1)**
	Kurzzeitwert 15(Miw) 4x (MAK)	1.5 mg/m³ **(1)**
Chrommetall, anorganische Chrom(II)- und anorganische Chrom(III)-Verbindungen (unlöslich)	Tagesmittelwert (MAK)	2 mg/m³ **(2)**
	Tagesmittelwert (MAK)	
Nickel (Stäube von Nickelmetall, Nickelsulfid und sulfidischen Erzen, Nickeloxide, Nickelchromat und Nickel- carbonat) und Stäube von Nickelverbindungen und Nickellegierungen	Kurzzeitwert 15(Miw) 4x (TRK)	2 mg/m³ **(3)**
	Tagesmittelwert (TRK)	0.5 mg/m³ **(3)**
Nickelverbindungen in Form einatembarer Tröpfchen	Kurzzeitwert 15(Miw) 4x (TRK)	0.2 mg/m³ **(4)**
	Tagesmittelwert (TRK)	0.05 mg/m³ **(4)**
Quarzfeinstaub(alveolengängiges kristallines Siliziumdioxid)	Tagesmittelwert (MAK)	0.05 mg/m³ **(5)**
Titandioxid (Alveolarstaub)	Tagesmittelwert (MAK)	5 mg/m³ **(5)**
	Kurzzeitwert 60(Miw) 2x (MAK)	10 mg/m³ **(5)**

(1) Einatembare Fraktion; als Sb berechnet
(2) als Cr berechnet
(3) Einatembare Fraktion; als Ni berechnet
(4) Einatembare Fraktion; berechnet als Ni für den einatembaren Anteil
(5) Alveolengängige Fraktion

UK

Antimony and compounds except stibine (as Sb)	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	0.5 mg/m³
Barium sulphate	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	10 mg/m³ **(1)**
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	4 mg/m³ **(2)**
Chromium (III) compounds (as Cr)	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	0.5 mg/m³
Fluorides (inorganic as F)	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	2.5 mg/m³
Nickel, insoluble inorganic compounds (as Ni)(except nickel tetracarbonyl)	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	0.5 mg/m³
Silica, crystalline	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	0.1 mg/m³ **(3)**
Titanium dioxide	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	10 mg/m³ **(4)**
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	4 mg/m³ **(5)**

(1) Inhalable dust
(2) Respirable dust
(3) Respirable fraction
(4) Total inhalable
(5) Respirable

USA (TLV-ACGIH)

Antimony and compounds, as Sb	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	0.5 mg/m³
Barium sulfate	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	5 mg/m³ **(1)**
Chromium, and inorganic compounds: Trivalent chromium compounds, as Cr(III)	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	0.003 mg/m³ **(2)**
Fluorides, as F	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	2.5 mg/m³
Nickel and inorganic compounds including Nickel subsulfide, as Ni: Insoluble inorganic compounds (NOS)	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	0.2 mg/m³ **(2)**
Silica, crystalline - α-quartz and cristobalite	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	0.025 mg/m³ **(3)**
Titanium dioxide - finescale particles	Time-weighted average exposure limit 8 h (TLV - Intended Changes)	2.5 mg/m³ **(3)**
Titanium dioxide - nanoscale particles	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	0.2 mg/m³ **(3)**

(1) I,E: Inhalable fraction. The value is for particulate matter containing no asbestos and < 1% crystalline silica
(2) (I): Inhalable fraction
(3) (R): Respirable fraction

b) National biological limit values

If limit values are applicable and available these will be listed below.

Germany

Hydrogenfluorid (Fluorwasserstoff) und anorganische Fluorverbindungen (Fluoride (Fluorid)	Urin: expositionsende, bzw. schichtende	4 mg/m	

USA (BEI-ACGIH)

Fluorides (Fluoride)	Urine: end of shift	3 mg/L	Background, Nonspecific
Fluorides (Fluoride)	Urine: prior to shift	2 mg/L	Background, Nonspecific

8.1.2 Sampling methods

Product name	Test	Number
Calcium & Cpds (as Ca)	NIOSH	7020
Fluoride	NIOSH	8308
Fluoride	OSHA	ID 110
Fluorides (Aerosol & Gas)	NIOSH	7902
Fluorides (Fluorides, aerosol and gas)	NIOSH	7906
Fluorides	ASTM	D 4765-93
Nickel	OSHA	ID 121
Nickel	OSHA	ID 125G
TiO2	NIOSH	7302
TiO2	NIOSH	7304

8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

8.1.4 Threshold values

DNEL/DMEL - Workers

calcium fluoride

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	5 mg/m³	

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	1.25 mg/m³	

DNEL/DMEL - General population

calcium fluoride

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	1 mg/m³	
	Long-term systemic effects oral	0.02 mg/kg bw/day	

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	210 µg/m³	

PNEC

antimony-nickel-titanium-oxide-yellow

Compartments	Value	Remark
Fresh water	0.1 mg/l	
Marine water	0.01 mg/l	
Aqua (intermittent releases)	1 mg/l	
STP	568 mg/l	

calcium fluoride

Compartments	Value	Remark
Fresh water	0.37 mg/l	
Fresh water (intermittent releases)	0.17 mg/l	
Marine water	0.022 mg/l	
STP	104.75 mg/l	
Soil	21.8 mg/kg soil dw	

8.1.5 Control banding

If applicable and available it will be listed below.

8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Avoid raising dust. Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment

Observe very strict hygiene - avoid contact. Do not eat, drink or smoke during work.

a) Respiratory protection:

Dust production: dust mask with filter type P3.

b) Hand protection:

Protective gloves against chemicals (EN 374).

c) Eye protection:

Safety glasses (EN 166). In case of dust production: protective goggles (EN 166).

d) Skin protection:

Protective clothing (EN 14605 or EN 13034).

8.2.3 Environmental exposure controls:
See sections 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form	Solid
	Powder
Colour	Green
Odour	Characteristic odour
Odour threshold	No data available in the literature
Melting point	No data available in the literature
Boiling point	No data available in the literature
Flammability	Not classified as flammable
Explosion limits	Not applicable
Flash point	Not applicable (solid)
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available in the literature
pH	No data available in the literature
Kinematic viscosity	Not applicable (solid)
Dynamic viscosity	Not applicable (solid)
Solubility	No data available in the literature
Log Kow	Not applicable (mixture)
Vapour pressure	No data available in the literature
Absolute density	No data available in the literature
Relative density	No data available in the literature
Relative vapour density	Not applicable (solid)
Particle size	No data available in the literature

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Precautionary measures

Avoid raising dust. Keep away from naked flames/heat.

10.5. Incompatible materials

Oxidizing agents, reducing agents, (strong) acids, (strong) bases.

10.6. Hazardous decomposition products

On burning: release of toxic and corrosive gases/vapours (hydrofluoric acid) and formation of metal oxides.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

11.1.1 Test results

Acute toxicity

Poxy Color Green RAL6024

No (test)data on the mixture available

Judgement is based on the relevant ingredients
antimony-nickel-titanium-oxide-yellow

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 401	> 2000 mg/kg bw		Rat (male / female)	Experimental value	
Dermal						Data waiving	

chromium (III) oxide

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	> 5000 mg/kg bw		Rat (male / female)	Experimental value	
Dermal						Data waiving	
Inhalation (dust)	LC50	OECD 403	> 5.41 mg/l air	4 h	Rat (male / female)	Experimental value	

calcium fluoride

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 423	> 2000 mg/kg bw		Rat (female)	Experimental value	
Dermal	LD50	EPA OPP 81-2	> 2000 mg/kg bw	24 h	Rat (male / female)	Experimental value	
Inhalation (dust)	LC50	OECD 403	> 5.07 mg/l air	4 h	Rat (male / female)	Experimental value	

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 401	> 2000 mg/kg bw		Rat (male / female)	Experimental value	
Dermal						Data waiving	
Inhalation (dust)	LC50	OECD 403	5.09 mg/l	4 h	Rat (male)	Experimental value	

Conclusion

Not classified for acute toxicity

Corrosion/irritation

Poxy Color Green RAL6024

No (test)data on the mixture available

Judgement is based on the relevant ingredients

antimony-nickel-titanium-oxide-yellow

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	Equivalent to OECD 405		24; 48; 72 hours	Rabbit	Experimental value	Single treatment without rinsing
Skin	Not irritating	Equivalent to OECD 404	24 h	24; 48; 72 hours	Rabbit	Experimental value	

chromium (III) oxide

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	OECD 405	24 h	24; 48; 72 hours	Rabbit	Experimental value	Single treatment with rinsing
Skin	Not irritating	OECD 404	4 h	24; 48; 72 hours	Rabbit	Experimental value	

calcium fluoride

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Slightly irritating	OECD 405		24; 48; 72 hours	Rabbit	Experimental value	
Skin	Not irritating	OECD 404	4 h	24; 72 hours	Rabbit	Experimental value	

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	OECD 405		1; 24; 48; 72 hours	Rabbit	Experimental value	Single treatment without rinsing
Skin	Not irritating	Equivalent to OECD 404	4 h	48 hours	Rabbit	Experimental value	

Conclusion

Not classified as irritating to the skin

Not classified as irritating to the eyes

Not classified as irritating to the respiratory system

Respiratory or skin sensitisation

Poxy Color Green RAL6024

No (test)data on the mixture available

Judgement is based on the relevant ingredients

antimony-nickel-titanium-oxide-yellow

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Dermal (on the ears)	Not sensitizing	OECD 429			Mouse (female)	Experimental value	

chromium (III) oxide

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	OECD 406			Guinea pig (female)	Experimental value	
Inhalation (dust)	Not sensitizing	Human observation			Human	Weight of evidence	

calcium fluoride

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	OECD 429			Mouse (female)	Experimental value	

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Dermal (on the ears)	Not sensitizing	Equivalent to OECD 429			Mouse (female)	Experimental value	
Inhalation (dust)	Not sensitizing				Mouse (female)	Experimental value	

Conclusion

Not classified as sensitizing for inhalation

Not classified as sensitizing for skin

Specific target organ toxicity

Poxy Color Green RAL6024

No (test)data on the mixture available

Judgement is based on the relevant ingredients

antimony-nickel-titanium-oxide-yellow

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral (diet)	NOAEL	Equivalent to OECD 408	≥ 500 mg/kg bw/day	No effect	90 day(s)	Rat (male / female)	Experimental value	
Inhalation (aerosol)	NOAEC	Subacute toxicity test	60 mg/m³ air	No effect	5 days (6h / day)	Rat (male)	Experimental value	

chromium (III) oxide

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral (diet)	NOEL		286.2 mg/kg bw/day - 313.7 mg/kg bw/day	No effect	105 week(s)	Rat (male / female)	Experimental value	Metal ion
Dermal							Data waiving	
Inhalation (dust)	NOEC	Equivalent to OECD 413	15 mg/m³ air	No effect	13 weeks (6h / day, 5 days / week)	Rat (male / female)	Experimental value	

calcium fluoride

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral (drinking water)	NOAEL	NTP	2.53 mg/kg bw/day - 3.03 mg/kg bw/day	No effect	13 week(s)	Rat (male / female)	Experimental value	
Dermal							Data waiving	
Inhalation (dust)							Data waiving	

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral (stomach tube)	NOAEL	OECD 408	> 1000 mg/kg bw/day	No effect	90 day(s)	Rat (male / female)	Experimental value	
Dermal							Data waiving	
Inhalation (aerosol)	NOAEC	Subchronic toxicity test	2.1 mg/m³ air	No effect	13 weeks (6h / day, 5 days / week)	Rat (female)	Experimental value	

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

Poxy Color Green RAL6024

No (test)data on the mixture available

Judgement is based on the relevant ingredients

antimony-nickel-titanium-oxide-yellow

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation	OECD 473	Chinese hamster lung fibroblasts (V79)	No effect	Experimental value	
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 476	Mouse (lymphoma L5178Y cells)	No effect	Experimental value	

chromium (III) oxide

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation	OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value	
Negative with metabolic activation, negative without metabolic activation	OECD 476	Chinese hamster ovary (CHO)	No effect	Experimental value	

calcium fluoride

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation	OECD 476	Chinese hamster lung fibroblasts (V79)	No effect	Experimental value	
Negative with metabolic activation, negative without metabolic activation	OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value	
Negative with metabolic activation, negative without metabolic activation	OECD 473	Chinese hamster lung fibroblasts (V79)	No effect	Experimental value	

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation	OECD 473	Chinese hamster ovary (CHO)		Experimental value	
Negative with metabolic activation, negative without metabolic activation	OECD 471	Bacteria (S.typhimurium)		Experimental value	

Mutagenicity (in vivo)

Poxy Color Green RAL6024

No (test)data on the mixture available

Judgement is based on the relevant ingredients

chromium (III) oxide

Result	Method	Exposure time	Test substrate	Organ/Effect	Value determination	Remark
Negative (Intraperitoneal)	OECD 474		Mouse (male / female)	Bone marrow (no effect)	Experimental value	Single intraperitoneal injection

calcium fluoride

Result	Method	Exposure time	Test substrate	Organ/Effect	Value determination	Remark
Negative (Oral (drinking water))		6 week(s)	Mouse (male / female)	No effect	Experimental value	

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Result	Method	Exposure time	Test substrate	Organ/Effect	Value determination	Remark
Negative (Oral (stomach tube))	OECD 474		Mouse (male / female)	No effect	Experimental value	Single treatment

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

Poxy Color Green RAL6024

No (test)data on the mixture available

Judgement is based on the relevant ingredients

The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

chromium (III) oxide

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral (diet)		Equivalent to OECD 451		No carcinogenic effect	105 weeks (daily)	Rat (male / female)	Experimental value	Not quantifiable

calcium fluoride

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Oral (drinking water)	NOAEL	NTP	25 ppm	No carcinogenic effect	103 weeks (daily)	Rat (male)	QSAR	
Oral (drinking water)	NOAEL	NTP	175 ppm	No carcinogenic effect	103 weeks (daily)	Rat (female)	QSAR	

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Route of exposure	Parameter	Method	Value	Organ/Effect	Exposure time	Species	Value determination	Remark
Inhalation (dust)			category 2				Annex VI	
Oral (diet)	NOEL	Carcinogenic toxicity study	2500 mg/kg bw/day	No carcinogenic effect	103 weeks (7 days / week)	Rat (male / female)	Experimental value	

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

Poxy Color Green RAL6024

No (test)data on the mixture available

Judgement is based on the relevant ingredients

antimony-nickel-titanium-oxide-yellow

Category	Parameter	Method	Value	Exposure time	Species	Effect	Value determination	Remark
Developmental toxicity (Oral (stomach tube))	NOAEL	OECD 414	1000 mg/kg bw/day	14 days (gestation, daily)	Rat	No effect	Experimental value	
Maternal toxicity (Oral (stomach tube))	NOAEL	OECD 414	1000 mg/kg bw/day	14 days (gestation, daily)	Rat	No effect	Experimental value	
Effects on fertility (Oral (stomach tube))	NOAEL	Equivalent to OECD 422	≥ 1000 mg/kg bw/day	42 days (1x / day) - 46 days (1x / day)	Rat (male / female)	No effect	Experimental value	

chromium (III) oxide

Category	Parameter	Method	Value	Exposure time	Species	Effect	Value determination	Remark
Developmental toxicity (Oral (diet))	Dose level	Equivalent to OECD 414	5.86 mg/kg bw/day	20 days (gestation, daily)	Rat	No effect	Experimental value	
Maternal toxicity (Oral (diet))	Dose level	Equivalent to OECD 414	5.86 mg/kg bw/day	20 days (gestation, daily)	Rat	No effect	Experimental value	
Effects on fertility (Oral (diet))		Equivalent to OECD 416			Rat (male / female)	No effect	Experimental value	Not quantifiable

calcium fluoride

Category	Parameter	Method	Value	Exposure time	Species	Effect	Value determination	Remark
Developmental toxicity (Oral (drinking water))	NOAEL	Equivalent to OECD 414	250 ppm	20 days (gestation, daily)	Rat	Foetus (no effect)	Experimental value	
Maternal toxicity (Oral (drinking water))	NOAEL	Equivalent to OECD 414	175 ppm	20 days (gestation, daily)	Rat	No effect	Experimental value	
Effects on fertility (Oral (drinking water))	NOAEL	Equivalent to OECD 416	250 ppm	10 weeks (daily)	Rat (male / female)	No effect	Experimental value	

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Category	Parameter	Method	Value	Exposure time	Species	Effect	Value determination	Remark
Developmental toxicity (Oral (stomach tube))	NOAEL	OECD 414	1000 mg/kg bw/day	2 weeks (7 days / week)	Rat	No effect	Experimental value	
Maternal toxicity (Oral (stomach tube))	NOAEL	OECD 414	1000 mg/kg bw/day	2 weeks (7 days / week)	Rat	No effect	Experimental value	
Effects on fertility (Oral (diet))	NOAEL	OECD 443	≥ 1000 mg/kg bw/day	14 day(s)	Rat (male / female)	No effect	Experimental value	

Conclusion

Not classified for reprotoxic or developmental toxicity

Poxy Color Green RAL6024

Toxicity other effects

Poxy Color Green RAL6024

No (test)data on the mixture available

Chronic effects from short and long-term exposure

Poxy Color Green RAL6024

Respiratory difficulties.

11.2. Information on other hazards

No evidence of endocrine disrupting properties

SECTION 12: Ecological information

12.1. Toxicity

Poxy Color Green RAL6024

No (test)data on the mixture available

Judgement of the mixture is based on the relevant ingredients

antimony-nickel-titanium-oxide-yellow

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	DIN 38412-15	> 10000 mg/l	48 h	Leuciscus idus	Static system	Fresh water	Experimental value; Nominal concentration
Acute toxicity crustacea	EC50	EU Method C.2	> 100 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Nominal concentration
Toxicity algae and other aquatic plants	EC50	OECD 201	> 100 mg/l	72 h	Desmodesmus subspicatus	Static system	Fresh water	Experimental value; GLP
Long-term toxicity aquatic crustacea	NOEC	OECD 211	> 1 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; GLP
Toxicity aquatic micro-organisms	EC50	DIN 38412-27	> 10000 mg/l	30 minutes	Pseudomonas putida	Static system	Fresh water	Experimental value; Nominal concentration

chromium (III) oxide

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	ISO 7346-1	> 10000 mg/l	96 h	Danio rerio	Static system	Fresh water	Experimental value; GLP
Acute toxicity crustacea	EC50	OECD 202	14 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Locomotor effect
Long-term toxicity fish	NOEC	OECD 210	≥ 1000 mg/l	30 day(s)	Danio rerio	Semi-static system	Fresh water	Read-across; GLP
Long-term toxicity aquatic crustacea	NOEC	Equivalent to OECD 211	3.4 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; Reproduction

calcium fluoride

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	EPA 600/3-75/009	107.5 ppm	96 h	Oncorhynchus mykiss	Static system	Fresh water	Read-across; Lethal
Acute toxicity crustacea	LC50		8.1 mg/l - 32.9 mg/l	96 h	Hyalella azteca	Static system		Experimental value; Lethal
Toxicity algae and other aquatic plants	IC50		273 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Growth rate
Long-term toxicity fish	LC50		11.2 mg/l - 40.9 mg/l	7 day(s)	Oncorhynchus mykiss	Semi-static system	Fresh water	Experimental value; Lethal
Long-term toxicity aquatic crustacea	NOEC		3.7 mg/l	21 day(s)	Daphnia magna	Static system	Fresh water	Experimental value; Reproduction
Toxicity aquatic micro-organisms	NOEC		231 mg/l	16 h	Pseudomonas putida	Static system	Fresh water	Experimental value; Growth
	NOEC		510 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental value; Respiration

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		> 1000 mg/l		Pisces		Fresh water	Literature study
Acute toxicity crustacea	EC50		> 1000 mg/l		Invertebrata		Fresh water	Literature study
Toxicity algae and other aquatic plants	EC50	OECD 201	> 100 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Growth rate
	NOEC	OECD 201	≥ 100 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Growth rate
Long-term toxicity fish	NOEC	Equivalent to OECD 212	≥ 1000 mg/l	8 day(s)	Danio rerio	Semi-static system	Fresh water	Experimental value; Nominal concentration
Long-term toxicity aquatic crustacea	NOEC	OECD 211	≥ 5 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Weight of evidence; Reproduction
Toxicity aquatic micro-organisms	NOEC	OECD 209	≥ 1000 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental value; Respiration

No classification for aquatic toxicity since the toxicity limits are above the water solubility

Conclusion

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

12.2. Persistence and degradability

Water

No test data of component(s) available

12.3. Bioaccumulative potential

Poxy Color Green RAL6024

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

antimony-nickel-titanium-oxide-yellow

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (inorganic)			

chromium (III) oxide

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (inorganic)			

calcium fluoride

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF	OECD 305	0 l/kg - 6.4 l/kg	4 week(s)	Cyprinus carpio	Experimental value

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (inorganic)			

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (inorganic)			

Conclusion

Does not contain bioaccumulative component(s)

12.4. Mobility in soil

Contains component(s) that adsorb(s) into the soil

12.5. Results of PBT and vPvB assessment

Does not contain component(s) that meet(s) the criteria of PBT and/or vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006.

12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties

12.7. Other adverse effects

Poxy Color Green RAL6024

Greenhouse gases

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 2024/573)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

Groundwater

Groundwater pollutant

chromium (III) oxide

Greenhouse gases

Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 2024/573)

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Greenhouse gases

Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 2024/573)

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Can be considered as non hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.

Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

07 03 99 (wastes from the MFSU of organic dyes and pigments (except 06 11): wastes not otherwise specified). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

Remove waste in accordance with local and/or national regulations. Do not discharge into drains or the environment. Dispose of at authorized waste collection point.

13.1.3 Packaging/Container

No data available

SECTION 14: Transport information

Road (ADR), Rail (RID), Inland waterways (ADN), Sea (IMDG/IMSBC), Air (ICAO-TI/IATA-DGR)

14.1. UN number or ID number

Transport	Not subject

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Hazard identification number	
Class	
Classification code	

14.4. Packing group

Packing group	
Labels	

14.5. Environmental hazards

Environmentally hazardous substance mark	no

14.6. Special precautions for user

Special provisions	
Limited quantities	

14.7. Maritime transport in bulk according to IMO instruments

Annex II of MARPOL 73/78	Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
0 %	

Directive 2012/18/EU (Seveso III)

Not subject to registration according to Directive 2012/18/EU (Seveso III)

REACH Annex XVII - Restriction

Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

	Designation of the substance, of the group of substances or of the mixture	Conditions of restriction
· antimony-nickel-titanium-oxide-yellow	Nickel and its compounds	1. Shall not be used: (a) in any post assemblies which are inserted into pierced ears and other pierced parts of the human body unless the rate of nickel release from such post assemblies is less than 0,2 µg/cm 2 /week (migration limit); (b) in articles intended to come into direct and prolonged contact with the skin such as: — earrings, — necklaces, bracelets and chains, anklets, finger rings, — wrist-watch cases, watch straps and tighteners, — rivet buttons, tighteners, rivets, zippers and metal marks, when these are used in garments, if the rate of nickel release from the parts of these articles coming into direct

		and prolonged contact with the skin is greater than 0,5 µg/cm 2 / week. (c) in articles referred to in point (b) where these have a non-nickel coating unless such coating is sufficient to ensure that the rate of nickel release from those parts of such articles coming into direct and prolonged contact with the skin will not exceed 0,5 µg/cm 2 / week for a period of at least two years of normal use of the article. 2. Articles which are the subject of paragraph 1 shall not be placed on the market unless they conform to the requirements set out in that paragraph. 3. The standards adopted by the European Committee for Standardisation (CEN) shall be used as the test methods for demonstrating the conformity of articles to paragraphs 1 and 2. Titles and references of harmonised standards under entry 27 of Annex XVII to REACH (see Commission communication (EU) No 2017/C 011/02)

National legislation Belgium

Poxy Color Green RAL6024

No data available

antimony-nickel-titanium-oxide-yellow

Additional classification	Composés du nickel, (mesurée en tant que Ni); C; La mention “C” signifie que l’agent en question relève du champ d’application de l’arrêté royal du 2 décembre 1993 concernant la protection des travailleurs contre les risques liés à l’exposition à des agents cancérigènes et mutagènes et reprotoxiques au travail.

quartz (SiO2)

Additional classification	Silices cristallines: quartz; C; La mention “C” signifie que l’agent en question relève du champ d’application de l’arrêté royal du 2 décembre 1993 concernant la protection des travailleurs contre les risques liés à l’exposition à des agents cancérigènes et mutagènes et reprotoxiques au travail.
Agents cancérigènes, mutagènes et reprotoxiques et aux agents possédant des propriétés perturbant le système endocrinien (Code du bien-être au travail, Livre VI, titre 2)	silice cristalline alvéolaire; VI.2.3.; Liste non limitative de substances, mélanges et procédés visés à l’article VI.2-1, alinéa 3

National legislation The Netherlands

Poxy Color Green RAL6024

Waterbezwaarlijkheid	B (4); Algemene Beoordelingsmethodiek (ABM)

National legislation France

Poxy Color Green RAL6024

No data available

antimony-nickel-titanium-oxide-yellow

Catégorie cancérogène	Antimoine et ses composés, en Sb
	Titane (dioxyde de), en Ti; C2

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Catégorie cancérogène	Titane (dioxyde de), en Ti; C2

National legislation Germany

Poxy Color Green RAL6024

WGK	1; Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) - 18. April 2017

antimony-nickel-titanium-oxide-yellow

TA-Luft	5.2.1
TRGS900 - Risiko der Fruchtschädigung	Nickel und Nickelverbindungen; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden
Sensibilisierende Stoffe	Nickel und Nickelverbindungen; Sh; Hautsensibilisierende Stoffe

chromium (III) oxide

TA-Luft	5.2.2/III

calcium fluoride

TA-Luft	5.2.2/III
TRGS900 - Risiko der Fruchtschädigung	Fluoride (als Fluor berechnet); Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden
Hautresorptive Stoffe	Fluoride (als Fluor berechnet); H; Hautresorptiv

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

TA-Luft	5.2.2/III

National legislation Austria

Poxy Color Green RAL6024

No data available

antimony-nickel-titanium-oxide-yellow

Krebserzeugend	Nickelverbindungen in Form einatembarer Tröpfchen; III A1
	Nickel (Stäube von Nickelmetall, Nickelsulfid und sulfidischen Erzen, Nickeloxide, Nickelchromat und Nickel- carbonat) und Stäube von Nickelverbindungen und Nickellegierungen; III A1
Gefahr der Sensibilisierung der Haut	Nickelverbindungen in Form einatembarer Tröpfchen; Sh
	Nickel (Stäube von Nickelmetall, Nickelsulfid und sulfidischen Erzen, Nickeloxide, Nickelchromat und Nickel- carbonat) und Stäube von Nickelverbindungen und Nickellegierungen; Sh
Gefahr der Sensibilisierung der Atemwege	Nickelverbindungen in Form einatembarer Tröpfchen; Sa
	Nickel (Stäube von Nickelmetall, Nickelsulfid und sulfidischen Erzen, Nickeloxide, Nickelchromat und Nickel- carbonat) und Stäube von Nickelverbindungen und Nickellegierungen; Sa

chromium (III) oxide

Gefahr der Sensibilisierung der Haut	Chrommetall, anorganische Chrom(II)- und anorganische Chrom(III)-Verbindungen (unlöslich); Sh

National legislation United Kingdom

Poxy Color Green RAL6024

No data available

antimony-nickel-titanium-oxide-yellow

Carcinogen	Nickel, insoluble inorganic compounds (as Ni)(except nickel tetracarbonyl); Carc
Skin absorption	Nickel, insoluble inorganic compounds (as Ni)(except nickel tetracarbonyl); Sk

Other relevant data

Poxy Color Green RAL6024

No data available

antimony-nickel-titanium-oxide-yellow

TLV - Carcinogen	Nickel and inorganic compounds including Nickel subsulfide, as Ni: Insoluble inorganic compounds (NOS); A1
	Titanium dioxide - nanoscale particles; A3

chromium (III) oxide

IARC - classification	3; Chromium (III) compounds
TLV - Carcinogen	Chromium, and inorganic compounds: Trivalent chromium compounds, as Cr(III); A4

calcium fluoride

TLV - Carcinogen	Fluorides, as F; A4

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

TLV - Carcinogen	Titanium dioxide - finescale particles; A3
	Titanium dioxide - nanoscale particles; A3
IARC - classification	2B; Titanium dioxide

15.2. Chemical safety assessment

No chemical safety assessment is required for a mixture.

SECTION 16: Other information

Full text of any H- and EUH-statements referred to under section 3:

H351 Suspected of causing cancer if inhaled.
EUH210 Safety data sheet available on request.
EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

(*)	INTERNAL CLASSIFICATION BY BIG
ADI	Acceptable daily intake
AOEL	Acceptable operator exposure level
ATE	Acute Toxicity Estimate
BCF	Bioconcentration Factor
BEI	Biological Exposure Indices
CLP (EU-GHS)	Classification, labelling and packaging (Globally Harmonised System in Europe)
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
EC10	Effect Concentration 10 %
EC50	Effect Concentration 50 %
ErC50	EC50 in terms of reduction of growth rate
GLP	Good Laboratory Practice
LC0	Lethal Concentration 0 %
LC50	Lethal Concentration 50 %
LD50	Lethal Dose 50 %
LOAEC/LOAEL	Lowest Observed Adverse Effect Concentration/Lowest Observed Adverse Effect Level
NOAEC/NOAEL	No Observed Adverse Effect Concentration/No Observed Adverse Effect Level
NOEC/NOEL	No Observed Effect Concentration/No Observed Effect Level
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, Bioaccumulative & Toxic
PNEC	Predicted No Effect Concentration
STP	Sludge Treatment Process
vPvB	very Persistent & very Bioaccumulative

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.