

Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Article 31, Annex II, as amended by Commission Regulation (EU) 2020/878

NEUTRO COLOR

Date of first edition: 2/26/2021 Safety Data Sheet dated 29/08/2025

version 5

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

1.1. Product identifier

Mixture identification:

Trade name: NEUTRO COLOR Trade code: FBIFC620- 4

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

Recommended use: Adhesives, sealants

Uses advised against: All uses other than recommended ones **1.3. Details of the supplier of the safety data sheet**

Company: KERAKOLL France

25, avenue de l'Industrie - 69960 Corbas - France

Tel. +33 472 890 684 safety@kerakoll.com

1.4. Emergency telephone number

European emergency phone number 112

Ireland Emergency medical information: (seven days) contact National Poisons Information Centre,

Beaumont Hospital, Dublin 9 DOV2NO, Ireland.

Members of the public Number (8 am-10 pm): +353 (0)1 809 2166 Healthcare professional telephone Number (24hrs): +353 (0)1 809 2566

Malta In case of emergency call: +356 2395 2000 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

DECL₁₀

This titanium dioxide-containing product is not classified as carcinogen by inhalation because it does not meet the criteria stated in Note 10, Annex VI of Regulation (EC) 1272/2008.

Note 10: 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 \leq 10 μ m.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Special Provisions:

EUH208 Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction.

EUH208 Contains Trimethoxyvinilsilane. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >=0.1%

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

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3.1. Substances

N.A.

3.2. Mixtures

Mixture identification: NEUTRO COLOR

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
≥1-<3 %	3-Aminopropyl(methyl) silsesquioxanes, ethoxy-terminated	CAS:128446-60-6 EC:603-274-5	Skin Irrit. 2, H315; Flam. Liq. 3, H226; Eye Irrit. 2, H319	
≥1-<3 %	Titanium dioxide	CAS:13463-67-7 EC:236-675-5	Not classified as hazardous	
≥0.5-<1 %	3-aminopropyltriethoxysilane	CAS:919-30-2 EC:213-048-4 Index:612-108-00-0	Skin Corr. 1B, H314; Acute Tox. 4 H302; Skin Sens. 1, H317)	, 01-2119480479-24
≥0.5-<1 %	o Trimethoxyvinilsilane	CAS:2768-02-7 EC:220-449-8 Index:014-049-00-0	Skin Sens. 1B, H317; Flam. Liq. 2 H225; Acute Tox. 4, H332)	, 01-2119513215-52

This mixture contains >= 1% titanium dioxide (CAS 13463-67-7). The Annex VI classification of titanium dioxide does not apply to this mixture according to its Note 10.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

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

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

N.A

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

N.A.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

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Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

parameter parame			
Community Occupational	Exposure Li	mits (OEL)	
	OEL Type	Country	Occupational Exposure Limit
Titanium dioxide CAS: 13463-67-7	ACGIH		Long Term: 2.5 mg/m3 (8h) Finescale particles; R; A3 - LRT irr, pneumoconiosis
	NATIONAL	GERMANY	Long Term: 0.3 mg/m3; Short Term: 2.4 mg/m3 DFG; Long term and short term: excluding ultrafine particles; respirable fraction; multiplied by the material density; Source: TRGS900
	NATIONAL	BELGIUM	Long Term: 10 mg/m3 Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL	CROATIA	Long Term: 10 mg/m3 U Source: NN 1/2021
	NATIONAL	CROATIA	Long Term: 4 mg/m3 R Source: NN 1/2021
	NATIONAL	IRELAND	Long Term: 10 mg/m3 Source: 2021 Code of Practice
	NATIONAL	IRELAND	Long Term: 4 mg/m3 Source: 2021 Code of Practice
	NATIONAL	ROMANIA	Long Term: 10 mg/m3; Short Term: 15 mg/m3 Source: Republicarea 1 - nr. 743 din 29 iulie 2021
	NATIONAL	SPAIN	Long Term: 10 mg/m3 Source: LEP 2022
	NATIONAL	AUSTRIA	Long Term: 5 mg/m3; Short Term: 10 mg/m3 60(Miw), 2x, MAK, A Source: BGBl. II Nr. 156/2021
	NATIONAL	BULGARIA	Long Term: 10 mg/m3 Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.

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NATIONAL DENMARK Long Term: 6 mg/m3

Κ

Source: BEK nr 2203 af 29/11/2021

NATIONAL ESTONIA Long Term: 5 mg/m3

Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105

NATIONAL FRANCE Long Term: 10 mg/m3

Cancérogène de catégorie 2 Source: INRS outil65

NATIONAL GREECE Long Term: 10 mg/m3

εισπν.

Source: ΦΕΚ 94/A` 13.5.1999

NATIONAL GREECE Long Term: 5 mg/m3

ачапч.

Source: ΦΕΚ 94/A` 13.5.1999

NATIONAL LATVIA Long Term: 10 mg/m3

Source: KN325P1

NATIONAL LITHUANIA Long Term: 5 mg/m3

Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389

NATIONAL NORWAY Long Term: 5 mg/m3

Source: FOR-2021-06-28-2248

NATIONAL POLAND Long Term: 10 mg/m3

4), 7)

Source: Dz.U. 2018 poz. 1286

NATIONAL SLOVAKIA Long Term: 5 mg/m3

Source: 355 NARIADENIE VLÁDY z 10. mája 2006

NATIONAL SWEDEN Long Term: 5 mg/m3

3

Source: AFS 2021:3

SUVA SWITZERLAN Long Term: 3 mg/m3

D TWA mg/m3: (a), SSC, Formel / Formal, NIOSH

Source: suva.ch/valeurs-limites

Source: HTP-ARVOT 2020

WEL-EH40 UNITED Long Term: 10 mg/m3

KINGDOM OF Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)

GREAT BRITAIN AND NORTHERN IRELAND

3-aminopropyltriethoxysilane NATIONAL FINLAND Long Term: 28 mg/m3 - 3 ppm; Short Term: 55 mg/m3 - 6 ppm

CAS: 919-30-2

Carbon black

CAS: 1333-86-4

ACGIH Long Term: 3 mg/m3 (8h)

I, A3 - Bronchitis

NATIONAL SWEDEN Long Term: 3 mg/m3 Source: AFS 2021:3

NATIONAL BELGIUM Long Term: 3 mg/m3

Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1

NATIONAL CROATIA Long Term: 3.5 mg/m3; Short Term: 7 mg/m3

Source: NN 1/2021

NATIONAL IRELAND Long Term: 3 mg/m3

Ι

Source: 2021 Code of Practice

NATIONAL SPAIN Long Term: 3.5 mg/m3

Source: LEP 2022

NATIONAL DENMARK Long Term: 3.5 mg/m3

K

Source: BEK nr 2203 af 29/11/2021

NATIONAL FINLAND Long Term: 3.5 mg/m3; Short Term: 7 mg/m3

Source: HTP-ARVOT 2020

NATIONAL FRANCE Long Term: 3.5 mg/m3

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Source: INRS outil65

NATIONAL GREECE Long Term: 3.5 mg/m3; Short Term: 7 mg/m3

Source: ΦΕΚ 94/A 13.5.1999

NATIONAL HUNGARY Long Term: 3 mg/m3

belélegezhető koncentráció

Source: 5/2020. (II. 6.) ITM rendelet

NATIONAL NORWAY Long Term: 3.5 mg/m3

Source: FOR-2021-06-28-2248

NATIONAL POLAND Long Term: 4 mg/m3

4)

Source: Dz.U. 2018 poz. 1286

WEL-EH40 UNITED Long Term: 3.5 mg/m3; Short Term: 7 mg/m3

KINGDOM OF Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)

GREAT BRITAIN AND NORTHERN IRELAND

ethanol; ethyl alcohol CAS: 64-17-5

ACGIH

NATIONAL AUSTRIA

Short Term: 1000 ppm

A3 - URT irr

60(Mow), 3x, MAK

Source: GKV, BGBI. II Nr. 156/2021

NATIONAL BULGARIA Long Term: 1000 mg/m3

Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.

NATIONAL CZECHIA Long Term: 1000 mg/m3; Short Term: Ceiling - 3000 mg/m3

Source: Nařízení vlády č. 361-2007 Sb

NATIONAL DENMARK Long Term: 1900 mg/m3 - 1000 ppm

Source: BEK nr 2203 af 29/11/2021

NATIONAL ESTONIA Long Term: 1000 mg/m3 - 500 ppm; Short Term: 1900 mg/m3 - 1000 ppm

Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105

Long Term: 1900 mg/m3 - 1000 ppm; Short Term: Ceiling - 3800 mg/m3 - 2000 ppm

NATIONAL FINLAND Long Term: 1900 mg/m3 - 1000 ppm; Short Term: 2500 mg/m3 - 1300 ppm

Source: HTP-ARVOT 2020

NATIONAL FRANCE Long Term: 1900 mg/m3 - 1000 ppm; Short Term: 9500 mg/m3 - 5000 ppm

Source: INRS outil65

NATIONAL GREECE Long Term: 1900 mg/m3 - 1000 ppm

Source: ΦΕΚ 94/A` 13.5.1999

NATIONAL HUNGARY Long Term: 1900 mg/m3; Short Term: 3800 mg/m3

Ν

Source: 5/2020. (II. 6.) ITM rendelet

NATIONAL LATVIA Long Term: 1000 mg/m3

Source: KN325P1

NATIONAL LITHUANIA Long Term: 1000 mg/m3 - 500 ppm; Short Term: 1900 mg/m3 - 1000 ppm

Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389

NATIONAL NETHERLAND Long Term: 260 mg/m3; Short Term: 1900 mg/m3

Source: Arbeidsomstandighedenregeling - Lijst B2

NATIONAL NORWAY Long Term: 950 mg/m3 - 500 ppm

Source: FOR-2021-06-28-2248

NATIONAL POLAND Long Term: 1900 mg/m3

Source: Dz.U. 2018 poz. 1286

NATIONAL SLOVAKIA Long Term: 960 mg/m3 - 500 ppm; Short Term: 1920 mg/m3 - 1000 ppm

Source: 355 NARIADENIE VLÁDY z 10. mája 2006

NATIONAL SWEDEN Long Term: 1000 mg/m3 - 500 ppm; Short Term: 1900 mg/m3 - 1000 ppm

V Source: A

Source: AFS 2021:3

SUVA SWITZERLAN Long Term: 960 mg/m3 - 500 ppm; Short Term: 1920 mg/m3 - 1000 ppm

SSC, Formel / Formal, INRS NIOSH

Source: suva.ch/valeurs-limites

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WEL-EH40 UNITED Long Term: 1920 mg/m3 - 1000 ppm

KINGDOM OF Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)

GREAT BRITAIN AND NORTHERN IRELAND

NATIONAL BELGIUM Long Term: 1907 mg/m3 - 1000 ppm

Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1

NATIONAL CROATIA Long Term: 1900 mg/m3 - 1000 ppm

Source: NN 1/2021

Long Term: 380 mg/m3 - 200 ppm NATIONAL GERMANY

DFG, Y, 4(II) Source: TRGS 900

NATIONAL IRELAND Short Term: 1000 ppm

Source: 2021 Code of Practice

NATIONAL ROMANIA Long Term: 1900 mg/m3 - 1000 ppm; Short Term: 9500 mg/m3 - 5000 ppm

Source: Republicarea 1 - nr. 743 din 29 iulie 2021

NATIONAL SLOVENIA Long Term: 960 mg/m3 - 500 ppm; Short Term: 1920 mg/m3 - 1000 ppm

Source: UL št. 72, 11. 5. 2021

NATIONAL SPAIN Short Term: 1910 mg/m3 - 1000 ppm

Source: LEP 2022

methanol CAS: 67-56-1 **ACGIH** Long Term: 200 ppm (8h); Short Term: 250 ppm

Skin, BEI - Headache, eye dam, dizziness, nausea

Long Term: 260 mg/m3 - 200 ppm; Short Term: 1040 mg/m3 - 800 ppm NATIONAL AUSTRIA

15(Miw), 4x, MAK, H

Source: BGBl. II Nr. 156/2021

NATIONAL BULGARIA Long Term: 260 mg/m3 - 200 ppm

Кожа

Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.

NATIONAL CZECHIA Long Term: 250 mg/m3; Short Term: Ceiling - 1000 mg/m3

D, B

Source: Nařízení vlády č. 361-2007 Sb

Long Term: 260 mg/m3 - 200 ppm NATIONAL DENMARK

Source: BEK nr 2203 af 29/11/2021

Long Term: 250 mg/m3 - 200 ppm; Short Term: 350 mg/m3 - 250 ppm NATIONAL ESTONIA

Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105

NATIONAL FINLAND Long Term: 270 mg/m3 - 200 ppm; Short Term: 330 mg/m3 - 250 ppm

iho

Source: HTP-ARVOT 2020

Long Term: 260 mg/m3 - 200 ppm; Short Term: 1300 mg/m3 - 1000 ppm NATIONAL FRANCE

Risque de pénétration percutanée

Source: INRS outil65, article R. 4412-149 du Code du travail

Long Term: 260 mg/m3 - 200 ppm; Short Term: 325 mg/m3 - 250 ppm NATIONAL GREECE

Source: ΦΕΚ 94/A` 13.5.1999

NATIONAL HUNGARY Long Term: 260 mg/m3

b, i, BEM, EU2, R+T

Source: 5/2020. (II. 6.) ITM rendelet

NATIONAL LITHUANIA Long Term: 260 mg/m3 - 200 ppm

Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389

NATIONAL NETHERLAND Long Term: 133 mg/m3 S

Source: Arbeidsomstandighedenregeling - Lijst A

Long Term: 130 mg/m3 - 100 ppm NATIONAL NORWAY

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HE

Source: FOR-2021-06-28-2248

NATIONAL POLAND Long Term: 100 mg/m3; Short Term: 300 mg/m3

skóra

Source: Dz.U. 2018 poz. 1286

NATIONAL SLOVAKIA Long Term: 260 mg/m3 - 200 ppm

K, 7)

Source: 355 NARIADENIE VLÁDY z 10. mája 2006

NATIONAL SWEDEN Long Term: 250 mg/m3 - 200 ppm; Short Term: 350 mg/m3 - 250 ppm

H, V

Source: AFS 2021:3

SUVA SWITZERLAN Long Term: 260 mg/m3 - 200 ppm; Short Term: 520 mg/m3 - 400 ppm

R/H, SSC, B, SNC / ZNS, INRS NIOSH D Source: suva.ch/valeurs-limites

WEL-EH40 UNITED Long Term: 266 mg/m3 - 200 ppm; Short Term: 333 mg/m3 - 250 ppm

KINGDOM OF Sk

GREAT Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)

BRITAIN AND NORTHERN IRELAND

NATIONAL BELGIUM Long Term: 266 mg/m3 - 200 ppm; Short Term: 333 mg/m3 - 250 ppm

Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1

NATIONAL CROATIA Long Term: 260 mg/m3 - 200 ppm

koža

Source: 2006/15/EZ

NATIONAL CYPRUS Long Term: 260 mg/m3 - 200 ppm

δέρμα

Source: Οι περί Ασφάλειας και Υγείας στην Εργασία (Χημικοί Παράγοντες) Κανονισμοί

του 2001 έως 2021

NATIONAL GERMANY Long Term: 130 mg/m3 - 100 ppm

DFG, EU, H, Y, 2(II) Source: TRGS 900

NATIONAL IRELAND Long Term: 260 mg/m3 - 200 ppm

Sk, IOELV

Source: 2021 Code of Practice

NATIONAL ITALY Long Term: 260 mg/m3 - 200 ppm

Source: D.lgs. 81/2008, Allegato XXXVIII

NATIONAL LATVIA Long Term: 260 mg/m3 - 200 ppm

Āda

Source: KN325P1

NATIONAL LUXEMBOUR Long Term: 260 mg/m3 - 200 ppm G

Peau

Source: Mémorial A n.226 du 22 mars 2021

NATIONAL MALTA Long Term: 260 mg/m3 - 200 ppm

skin

Source: S.L.424.24

NATIONAL PORTUGAL Long Term: 260 mg/m3 - 200 ppm

Cutânea

Source: Decreto-Lei n.º 1/2021

NATIONAL ROMANIA Long Term: 260 mg/m3 - 200 ppm

P, Dir. 2006/15

Source: Republicarea 1 - nr. 743 din 29 iulie 2021

NATIONAL SLOVENIA Long Term: 260 mg/m3 - 200 ppm; Short Term: 1040 mg/m3 - 800 ppm

K, Y, BAT, EU2

Source: UL št. 72, 11. 5. 2021

Long Term: 266 mg/m3 - 200 ppm NATIONAL SPAIN

vía dérmica, VLB®, VLI, r

Source: LEP 2022

FU Long Term: 260 mg/m3 - 200 ppm (8h)

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Predicted No Effect Concentration (PNEC) values

Titanium dioxide

CAS: 13463-67-7

Exposure Route: Fresh Water; PNEC Limit: 0.184 mg/l

Exposure Route: Marine water; PNEC Limit: 0.018 mg/l

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 1 mg/kg Exposure Route: Intermittent releases (marine water); PNEC Limit: 100 mg/kg Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 100 mg/kg

Exposure Route: Fresh Water; PNEC Limit: 330 µg/l

aminopropyltriethoxysilan

CAS: 919-30-2

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 3.3 mg/l

Exposure Route: Marine water; PNEC Limit: 33 µg/l

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 13 mg/l

Exposure Route: Freshwater sediments; PNEC Limit: 1.2 mg/kg Exposure Route: Marine water sediments; PNEC Limit: 120 µg/kg

Exposure Route: Soil; PNEC Limit: 50 µg/kg

Trimethoxyvinilsilane CAS: 2768-02-7

Exposure Route: Fresh Water; PNEC Limit: 400 µg/l

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 2.4 mg/l

Exposure Route: Marine water; PNEC Limit: 40 µg/l

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 6.6 mg/l

Exposure Route: Freshwater sediments; PNEC Limit: 1.5 mg/kg Exposure Route: Marine water sediments; PNEC Limit: 150 µg/kg

Exposure Route: Soil; PNEC Limit: 60 µg/kg

Derived No Effect Level (DNEL) values

Titanium dioxide CAS: 13463-67-7 Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects

Worker Professional: 10 mg/m³

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects

aminopropyltriethoxysilan Worker Professional: 59 mg/m³; Consumer: 17.4 mg/m³

CAS: 919-30-2

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects

Worker Professional: 59 mg/m3; Consumer: 17.4 mg/m3

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects

Worker Professional: 8.3 mg/kg; Consumer: 5 mg/kg

Exposure Route: Human Dermal; Exposure Frequency: Short Term, systemic effects

Worker Professional: 8.3 mg/kg; Consumer: 5 mg/kg

Trimethoxyvinilsilane CAS: 2768-02-7

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects

Worker Professional: 27.6 mg/m³; Consumer: 6.7 mg/m³

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects

Worker Professional: 260 mg/m³; Consumer: 50 mg/m³

Exposure Route: Human Dermal; Exposure Frequency: Short Term, systemic effects

Worker Professional: 3.9 mg/kg; Consumer: 7.8 mg/kg

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects

Consumer: 300 µg/kg

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Butyl rubber . Nitrile rubber

Respiratory protection:

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Thermal Hazards:

N.A.

Environmental exposure controls:

N.A.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Colour: In compliance with the product description

Odour: Characteristic Odour threshold: N.A. pH: Not Relevant Kinematic viscosity: N.A.

Melting point/freezing point: N.A.

Boiling point or initial boiling point and boiling range: N.A.

Flash point: Not Applicable

Lower and upper explosion limit: N.A.

Relative vapour density: N.A. Vapour pressure: N.A.

Density and/or relative density: 1.02 g/cm3

Solubility in water: N.A. Solubility in oil: N.A.

Partition coefficient n-octanol/water (log value): N.A.

Auto-ignition temperature: N.A. Decomposition temperature: N.A.

Flammability: N.A.

Volatile Organic compounds - VOCs = 0.00 %; 0.00 g/l

Particle characteristics:

Particle size: N.A. **9.2. Other information**

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Data not available.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

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

Toxicological Information of the Preparation

a) acute toxicity Not classified

Based on available data, the classification criteria are not met

Based on available data, the classification criteria are not met

c) serious eye damage/irritation Not classified

Based on available data, the classification criteria are not met

d) respiratory or skin sensitisation Not classified

Based on available data, the classification criteria are not met

e) germ cell mutagenicity Not classified

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Based on available data, the classification criteria are not met

f) carcinogenicity Not classified

Based on available data, the classification criteria are not met

g) reproductive toxicity Not classified

Based on available data, the classification criteria are not met

h) STOT-single exposure Not classified

Based on available data, the classification criteria are not met

i) STOT-repeated exposure Not classified

Based on available data, the classification criteria are not met

j) aspiration hazard Not classified

Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

Titanium dioxide a) acute toxicity LD50 Oral Rat > 5000 mg/kg

> LC50 Inhalation > 6.82 mg/l LD50 Skin Rat > 2000 mg/kg

c) serious eye damage/irritation Eye Corrosive Negative

Eye Irritant No

d) respiratory or skin sensitisation

Skin Sensitization Negative

i) STOT-repeated exposure

No Observed Adverse Effect Level 1000

a) acute toxicity

aminopropyltriethoxysilan

LD50 Oral Rat = 1460 mg/kg

LC50 Inhalation Vapour Rat Negative 6h LD50 Skin Rabbit = 4076 mg/kg 24h

b) skin corrosion/irritation Skin Corrosive Rabbit Positive

c) serious eye damage/irritation Eye Irritant Rabbit Yes

d) respiratory or skin

sensitisation

Skin Sensitization Guineapig Positive

f) carcinogenicity Genotoxicity Negative

g) reproductive toxicity No Observed Adverse Effect Level Oral Rat = 600

mg/kg

Trimethoxyvinilsilane a) acute toxicity LD50 Oral Rat = 7.34 ml/Kg

LC50 Inhalation Vapour Rat = 2773 Ppm 4h

Mouse intraperitoneal rout

LD50 Skin Rabbit = 3.36 mg/kg 24h

b) skin corrosion/irritation Skin Irritant Rabbit Negative 24h

c) serious eye damage/irritation Eye Irritant Rabbit No 24h

d) respiratory or skin

sensitisation

Skin Sensitization Guineapig Positive

f) carcinogenicity Genotoxicity Rat Negative Inhalation route

No Observed Adverse Effect Level Oral Rat = 250 g) reproductive toxicity

mg/kg

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

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12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment. Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

No data available for the product

Component	Ident. Numb.	Ecotox Data
Titanium dioxide	CAS: 13463-67- 7 - EINECS: 236-675-5	a) Aquatic acute toxicity: LC50 Fish Pimephales promelas (Cavedano americano) > 1000 mg/L 96h
		a) Aquatic acute toxicity : EC50 Algae Pseudokirchneriella subcapitata (alghe cloroficee) $> 100 \text{mg/L} 72 \text{h}$
		a) Aquatic acute toxicity: NOEC Algae = 5600 mg/L
		a) Aquatic acute toxicity: EC50 Daphnia Daphnia magna (Pulce d'acqua grande) > 100 mg/L 48h
3-aminopropyltriethoxysilane	CAS: 919-30-2 - EINECS: 213- 048-4 - INDEX: 612-108-00-0	a) Aquatic acute toxicity: LC50 Fish Brachydanio rerio > 934 mg/L 96h
		a) Aquatic acute toxicity: EC50 Daphnia Daphnia magna = 331 mg/L 48h
		a) Aquatic acute toxicity : EC50 Algae Scenedesmus subspicatus > 1000 mg/L 72h
		c) Bacteria toxicity: EC50 Pseudomonas putida = 43 mg/L
Trimethoxyvinilsilane	CAS: 2768-02-7 - EINECS: 220- 449-8 - INDEX: 014-049-00-0	a) Aquatic acute toxicity: LC50 Fish Oncorhynchus mykiss = 137 mg/L 96h
		a) Aquatic acute toxicity: LC50 Daphnia Daphnia magna = 121 mg/L 48h
		b) Aquatic chronic toxicity: NOEC Daphnia Daphnia magna = 20 mg/L -

21days

a) Aquatic acute toxicity: EC50 Algae Pseudokirchneriella subcapitata > 89

mg/L 72h

a) Aquatic acute toxicity: EC10 microorganisms > 100 mg/L 3h OECD 209

12.2. Persistence and degradability

Component	Persitence/Degradability:	Test	Value	Notes:
3-aminopropyltriethoxysilane	Non-readily biodegradable	Dissolved organic carbon	67.000	%; EU method C4-A; 28days

Trimethoxyvinilsilane Readily biodegradable

12.3. Bioaccumulative potential

Component	Bioaccumulation	Test	Value	Notes:
3-aminopropyltriethoxysilane	Bioaccumulative	BCF - Bioconcentrantion factor	3.400	OECD 305

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration >= 0.1%

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects

N.A.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force. Disposal through discharge into wastewater

NEUTRO COLOR Date 29/08/2025 **Production Name** Page n. 11 of 15 is not permitted

The product disposed of as such, pursuant to Regulation (EU) 1357/2014, must be classified as non-hazardous waste

A waste code according to the European List of Wastes (LoW) cannot be specified, due to dependence on the usage. Contact an authorized waste disposal service.

Properties of waste which render it hazardous (Annex III, Directive 2008/98/EC):

N.A.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number or ID number

N/A

14.2. UN proper shipping name

ADR-Shipping Name: N/A IATA-Shipping Name: N/A IMDG-Shipping Name: N/A

14.3. Transport hazard class(es)

ADR-Class: N/A IATA-Class: N/A IMDG-Class: N/A

14.4. Packing group

ADR-Packing Group: N/A IATA-Packing group: N/A IMDG-Packing group: N/A

14.5. Environmental hazards

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: N/A

14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR-Label: N/A

ADR - Hazard identification number: N/A

ADR-Special Provisions: N/A

ADR-Transport category (Tunnel restriction code): N/A

ADR Limited Quantities: N/A ADR Excepted Quantities: N/A

Air (IATA):

IATA-Passenger Aircraft: N/A IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Subsidiary hazards: N/A

IATA-Erg: N/A

IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage and handling: N/A

IMDG-Segregation: N/A
IMDG-Subsidiary hazards: N/A
IMDG-Special Provisions: N/A

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

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Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)
Regulation (EU) n. 2023/707
Regulation (EU) n. 2023/1434 (ATP 19 CLP)
Regulation (EU) n. 2023/1435 (ATP 20 CLP)
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Regulation (EU) n. 2024/197 (ATP 21 CLP)

Regulation (EU) n. 2020/878

Regulation (EC) nr 648/2004 (Detergents).

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None.

Restrictions related to the substances contained: 40, 52, 69, 75

Provisions related to directive EU 2012/18 (Seveso III):

Explosives precursors - Regulation 2019/1148

No substances listed

Regulation (EU) No 649/2012 (PIC regulation)

No substances listed

German Water Hazard Class.

3: Severe hazard to waters

German Lagerklasse according to TRGS 510:

LGK 10

SVHC Substances:

Code

No SVHC substances present in concentration >= 0.1%

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

3-aminopropyltriethoxysilane

Description

Trimethoxyvinilsilane

SECTION 16: Other information

H225	Highly flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
H302	Harmful if swallowed.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H332 Code	Harmful if inhaled. Hazard class and hazard category	Description
		Description Flammable liquid, Category 2
Code	Hazard class and hazard category	•
Code 2.6/2	Hazard class and hazard category Flam. Liq. 2	Flammable liquid, Category 2
Code 2.6/2 2.6/3	Hazard class and hazard category Flam. Liq. 2 Flam. Liq. 3	Flammable liquid, Category 2 Flammable liquid, Category 3

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3.2/1B	Skin Corr. 1B	Skin corrosion, Category 1B
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.4.2/1	Skin Sens. 1	Skin Sensitisation, Category 1
3.4.2/1B	Skin Sens. 1B	Skin Sensitisation, Category 1B

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

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.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor BEI: Biological Exposure Index BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center CE: European Community

CLP: Classification, Labeling, Packaging. CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand COV: Volatile Organic Compound CSA: Chemical Safety Assessment CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive DSD: Dangerous Substances Directive EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

 ${\it GefStoffVO: Ordinance\ on\ Hazardous\ Substances,\ Germany.}$

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration 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.

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

KAFH: Keep Away From Heat KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LDLo: Leathal Dose Low N.A.: Not Applicable N/A: Not Applicable

N/D: Not defined/ Not available

NA: Not available

NIOSH: National Institute for Occupational Safety and Health

NOAEL: No Observed Adverse Effect Level

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OSHA: Occupational Safety and Health Administration

PBT: Persistent, Bioaccumulative and Toxic

PGK: Packaging Instruction

PNEC: Predicted No Effect Concentration.

PSG: Passengers

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.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

vPvB: Very Persistent, Very Bioaccumulative.

WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 13: Disposal considerations
- SECTION 14: Transport information
- SECTION 15: Regulatory information

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Exposure Scenario, 08/06/2021

Substance identity		
	Trimethoxyvinilsilane	
CAS No.	2768-02-7	
INDEX No.	014-049-00-0	
EINECS No.	220-449-8	
Registration number	01-2119513215-52	

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1. **ES 1**

1. ES 1

1.1 TITLE SECTION

Exposure Scenario name	Use in rigid foams, coatings, adhesives and sealants - Barrier (Sealant)
Date - Version	18/05/2021 - 1.0
Main user group	Professional uses
Sector(s) of use	Professional uses (SU22) - Building and construction work (SU19)
Product Categories	Adhesives, sealants (PC1)

Environment Contributing Scenario

CS1 Low environmental release	ERC8c - ERC8f
Worker Contributing Scenario	
CS2 Wiping - Hand application - finger paints, pastels, adhesives - Preparation of material for application	PROC0
CS3 Wiping - Hand application - finger paints, pastels, adhesives - Preparation of material for application	PROC1

1.2 Conditions of use affecting exposure

1.2. CS1: Environment Contributing Scenario: Low environmental release (ERC8c, ERC8f)

Environmental release	Widespread use leading to inclusion into/onto article (indoor) - Widespread use leading to
categories	inclusion into/onto article (outdoor) (ERC8c, ERC8f)

Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Concentration after dilution for use maximum [%]: 0.7 %

Amount used, frequency and duration of use (or from service life)

Amounts used:

Daily amount per site = 0.28 kg/day

Release type: Continuous release

Emission days: 365 days per year

Technical and organisational conditions and measures

Control measures to prevent releases

Water - minimum efficiency of: 1.5 %

Conditions and measures related to sewage treatment plant

STP type:

Onsite Sewage Treatment Plant

Water - minimum efficiency of: = 0.013 %

Conditions and measures related to treatment of waste (including article waste)

Waste treatment

Dispose of waste product or used containers according to local regulations.

Other conditions affecting environmental exposure

Local marine water dilution factor: 100 Local freshwater dilution factor: 10 Receiving surface water flow: 20000 m³/day Covers indoor and outdoor use

1.2. CS2: Worker Contributing Scenario: Wiping - Hand application - finger paints, pastels, adhesives - Preparation of material for application (PROCO)

Process Categories

Other (PROCO)

Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers concentrations up to 0.7 %

Amount used, frequency and duration of use/exposure

Duration:

Exposure duration <= 6 h

Frequency:

Use frequency = 250 days per year

Technical and organisational conditions and measures

Technical and organisational measures

Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan.

Provide a good standard of general ventilation (not less than 3 to 5 air changes per hour).

For further specification, refer to section 8 of the SDS.

Other conditions affecting worker exposure

Covers indoor and outdoor use

Professional use

Room size: Covers use in room size of = 20 m³

Temperature: Covers use at ambient temperatures. 25°C

1.2. CS3: Worker Contributing Scenario: Wiping - Hand application - finger paints, pastels, adhesives - Preparation of material for application (PROC1)

Process Categories

Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions (PROC1)

Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers concentrations up to 2 %

Amount used, frequency and duration of use/exposure

Duration:

Exposure duration = 8 h

Frequency:

Use frequency = 1 days per year

Duration:

Covers use up to = 6 h

Frequency:

Use frequency = 1 days per year

Other conditions affecting worker exposure

Covers indoor and outdoor use

Professional use

Room size: Covers use in room size of = 20 m³ **Ventilation rate:** = 0.6 ach (air changes per hour)

1.3 Exposure estimation and reference to its source

1.3. CS2: Worker Contributing Scenario: Wiping - Hand application - finger paints, pastels, adhesives - Preparation of material for application (PROCO)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
inhalative, long-term	= 1.9 mg/m ³	N/A	= 0.069
dermal, long-term	= 4.53 mg/kg bw/day	ConsExpo	= 0.038
combined routes, long-term	N/A	N/A	0.107

1.3. CS3: Worker Contributing Scenario: Wiping - Hand application - finger paints, pastels, adhesives - Preparation of material for application (PROC1)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
inhalative, long-term	= 4.57 mg/m ³	N/A	= 0.682
dermal, long-term	= 0.044 mg/kg bw/day	ConsExpo	< 0.01
combined routes, short-term	N/A	N/A	0.682

1.4 Guidance to DU to evaluate whether he works inside the boundaries set by the ES

Guidance to check compliance with the exposure scenario:

Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.



Exposure Scenario, 14/07/2021

Substance identity		
	3-aminopropyltriethoxysilane	
CAS No.	919-30-2	
INDEX No.	612-108-00-0	
EINECS No.	213-048-4	
Registration number	01-2119480479-24	

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1. **ES 1** Widespread use by professional workers; Various products (PC9a, PC1)

1. ES 1 Widespread use by professional workers; Various products (PC9a, PC1)

1	1	TIT	ΙF	SF	CTI	V

Exposure Scenario name	Professional application of coatings and inks by spraying - Use in rigid foams, coatings, adhesives and sealants
Date - Version	14/07/2021 - 1.0
Life Cycle Stage	Widespread use by professional workers
Main user group	Professional uses
Sector(s) of use	Professional uses (SU22)
Product Categories	Coatings and paints, thinners, paint removers (PC9a) - Adhesives, sealants (PC1)

Worker Contributing Scenario

CS1 Rolling, Brushing	PROC10
CS2 Roller, spreader, flow application	PROC11

1.2 Conditions of use affecting exposure

1.2. CS1: Worker Contributing Scenario: Rolling, Brushing (PROC10)

Process Categories	Roller application or brushing (PROC10)
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Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers concentrations up to 2 %

Amount used, frequency and duration of use/exposure

Amounts used:

Annual site tonnage = 0.2 t(onnes)/year Daily amount per site = 0.5 kg/day

Duration:

Exposure duration = 4 h

Frequency:

Covers exposure up to = 365 days per year

Technical and organisational conditions and measures

Technical and organisational measures

Provide a basic standard of general ventilation (1 to 3 air changes per hour).

Use in contained systems

For further specification, refer to section 8 of the SDS.

Conditions and measures related to personal protection, hygiene and health evaluation

Personal protection

Wear suitable respiratory protection.

For further specification, refer to section 8 of the SDS.

1.2. CS2: Worker Contributing Scenario: Roller, spreader, flow application (PROC11)

Process Categories	Non industrial spraying (PROC11)
	, , , , , , , , , , , , , , , , , , , ,

Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers concentrations up to 2 %

Amount used, frequency and duration of use/exposure

Amounts used:

Annual site tonnage = 0.2 t(onnes)/year Daily amount per site = 0.5 kg/day

Duration:

Exposure duration = 4 h

Frequency:

Covers exposure up to = 365 days per year

Technical and organisational conditions and measures

Technical and organisational measures

Provide a basic standard of general ventilation (1 to 3 air changes per hour).

Use in contained systems

For further specification, refer to section 8 of the SDS.

Conditions and measures related to personal protection, hygiene and health evaluation

Personal protection

Wear suitable respiratory protection.

For further specification, refer to section 8 of the SDS.

1.3 Exposure estimation and reference to its source

1.3. CS1: Worker Contributing Scenario: Rolling, Brushing (PROC10)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal	= 0.055 mg/kg bw/day	ECETOC TRA worker v3	N/A
inhalative	= 1.8 mg/m ³	ECETOC TRA worker v3	N/A

1.3. CS2: Worker Contributing Scenario: Roller, spreader, flow application (PROC11)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal	= 0.21 mg/kg bw/day	ECETOC TRA worker v3	N/A
inhalative	= 46 mg/m ³	ECETOC TRA worker v3	N/A

1.4 Guidance to DU to evaluate whether he works inside the boundaries set by the ES

Guidance to check compliance with the exposure scenario:

Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.