SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 as amended by Commission Regulation (EU) 2020/878 and Regulation (EC) No. 1272/2008

Issuing Date 24-May-2015 **Revision Date** 01-Dec-2023 **Revision Number** 12

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

1.1. Product identifier

Product Code(s) 800083, 800162, 800108, 800115, 800144, 800154, 800156

Product Name PSR-4000 CC01SE, PSR-4000 CC01SE Semi-Matte, PSR-4000 CC01SE SM-SP, PSR-4000 CC01SE SM-SCR, PSR-4000 CC01SE SM-SCR DI, PSR-4000 CC01SE DI, PSR-4000 CC01SE SM DI

Synonyms None

Pure substance/mixture Mixture

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

Recommended use Solder mask part A

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Importer
REACH OR: CAPLINQ Europe BV
Industrieweg 15E
1566JN Assendelft
The Netherlands
+31208932224

Supplier
Taiyo America, Inc.
2675 Antler Drive
Carson City, NV 89701
TEL: 775-885-9959 (M-F, 8 AM - 4 PM, Pacific Time Zone)

For further information, please contact
E-mail address SDSinfo@taiyo-america.com

1.4. Emergency telephone number

Emergency telephone +1-813-248-0585 International - product safety issues (24 hours; in most major languages)
+1-800-255-3924 Within U.S.A. only (24 hours)

Emergency telephone - §45 - (EC)1272/2008	
Europe	**112**

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1A - (H317)
Germ cell mutagenicity	Category 1B - (H340)
Carcinogenicity	Category 1B - (H350)

Chronic aquatic toxicity	Category 4 - (H413)

2.2. Label elements

Contains Petroleum naphtha, light aromatic, Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-,

Signal word
Danger

Hazard statements
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H340 - May cause genetic defects
H350 - May cause cancer
H413 – May cause long lasting harmful effects to aquatic life

Precautionary Statements - EU (§28, 1272/2008)
P201 - Obtain special instructions before use
P261 - Avoid breathing vapors or mists
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P308 + P313 - IF exposed or concerned: Get medical advice/attention
P362 + P364 - Take off contaminated clothing and wash it before reuse

2.3. Other hazards

Toxic to aquatic life.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
2-(2-ethoxyethoxy)ethyl acetate 112-15-2	10-30	01-2119966911-29-XXXX	203-940-1	Eye Irrit. 2 (H319)	-	-	-
Talc	10-30	01-212014027	238-877-9	[C]	-	-	-

14807-96-6		8-58-XXXX					
Barium sulfate 7727-43-7	7-13	01-2119491274-35-XXXX	231-784-4	[C]	-	-	-
Quartz 14808-60-7	5-10	No data available	238-878-4	STOT RE 2 (H373) Carc. 1A (H350i)	-	-	-
Silicon dioxide 7631-86-9	1-5	01-2119379499-16-XXXX	231-545-4	[C]	-	-	-
Silica, amorphous, fumed, crystal-free 112945-52-5	1-5	No data available	No information available	[C]	-	-	-
Petroleum naphtha, light aromatic 64742-95-6	0.1-0.5	No data available	(649-356-00-4) 265-199-0	Asp. Tox. 1 (H304) Carc. 1B (H350 Muta. 1B (H340)	-	-	-
Melamine 108-78-1	0.1-1	No data available	(613-345-00-2) 203-615-4	Carc. 2 (H351) STOT RE 2 (H373)	-	-	-
Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)- 162881-26-7	1-5	No data available	(015-189-00-5) 423-340-5	Skin Sens. 1A (H317) Aquatic Chronic 4 (H413)	-	-	-
Propylene glycol monomethyl ether acetate 108-65-6	0.1-1	No data available	(607-195-00-7) 203-603-9	Flam. Liq. 3 (H226)	-	-	-
C.I. Pigment Blue 15 147-14-8	0.1-1	No data available	205-685-1	[C], [I]	-	-	-
Butanamide, 2,2`-[(3,3`-dichloro[1,1`-biphenyl]-4,4`-diyl 5102-83-0	0.105	No data available	225-822-9	[C]	-	-	-
Titanium, bis(.eta.5-2,4-cyclopentadien-1-yl)bis[2,6-difluoro-3-(1H-pyrrol-1-yl)phenyl]- 125051-32-3	<0.3	No data available	(022-003-00-6) 412-000-1	Repr. 2 (H361f) STOT RE 2 (H373) Aquatic Chronic 2 (H411) Flam. Sol. 1 (H228)	-	-	-
Diisobutyl ketone 108-83-8	<0.1	No data available	(606-005-00-X) 203-620-1	STOT SE 3 (H335) Flam. Liq. 3 (H226)	STOT SE 3 :: C>=10%	-	-
Cumene 98-82-8	<0.1	No data available	(601-024-00-X) 202-704-5	Carc. 1B (H350) STOT SE 3 (H335) Asp. Tox. 1 (H304)	-	-	-

				Aquatic Chronic 2 (H411) Flam. Liq. 3 (H226)			
2,6-Di-tert-butyl-p-cresol 128-37-0	<0.1	No data available	204-881-4	[C]	-	-	-
2-Methoxypropyl-1-acetate 70657-70-4	<0.1	No data available	(607-251-00-0) 274-724-2	Repr. 1B (H360D) STOT SE 3 (H335) Flam. Liq. 3 (H226)	-	-	-

Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes

[C] - Components with occupational exposure limits and/or biological occupational exposure limits requiring monitoring

[I] - Restricted substance per REACH Annex XVII

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
2-(2-ethoxyethoxy)ethyl acetate 112-15-2	11000	15100	No data available	No data available	No data available
Barium sulfate 7727-43-7	307000	No data available	No data available	No data available	No data available
Silicon dioxide 7631-86-9	7900	5005	58.8588	No data available	No data available
Silica, amorphous, fumed, crystal-free 112945-52-5	3160	No data available	No data available	No data available	No data available
Petroleum naphtha, light aromatic 64742-95-6	8400	2002	No data available	No data available	No data available
Melamine 108-78-1	3161	1001	No data available	No data available	No data available
Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)- 162881-26-7	2002	2002	No data available	No data available	No data available
Propylene glycol monomethyl ether acetate 108-65-6	8532	5005	24	No data available	No data available
C.I. Pigment Blue 15 147-14-8	10010	5005	No data available	No data available	No data available
Butanamide, 2,2`-[(3,3`-dichloro[1,1`-biphenyl]-4,4`-diyl 5102-83-0	5005	3003	No data available	No data available	No data available

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Titanium, bis(.eta.5-2,4-cyclopentadien-1-yl)bis[2,6-difluoro-3-(1H-pyrrol-1-yl)phenyl]- 125051-32-3	No data available	2002	No data available	No data available	No data available
Diisobutyl ketone 108-83-8	5750	2002	No data available	13.3929	No data available
Cumene 98-82-8	1400	10578	No data available	21.557	No data available
2,6-Di-tert-butyl-p-cresol 128-37-0	2932.93	2002	No data available	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur. If breathing has stopped, give artificial respiration. Get medical attention immediately.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. Get medical attention if symptoms occur.

Skin contact May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor. Wash off immediately with soap and plenty of water for at least 15 minutes. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Ingestion Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor. Get medical attention.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8). Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

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

Symptoms Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation.

Effects of Exposure No information available.

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

Note to doctors May cause sensitisation in susceptible persons. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media None known based on information supplied.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Product is or contains a sensitiser. May cause sensitisation by skin contact. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Avoid breathing vapours or mists.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dyke far ahead of liquid spill for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information See section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Use with local exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Use personal protection equipment. Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Remove contaminated clothing and shoes. Do not take internally. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

General hygiene considerations

Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children.

Storage class (TRGS 510)

LGK 6.1C.

7.3. Specific end use(s)

Specific use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Talc 14807-96-6	-	TWA: 2 mg/m^3	TWA: 2 mg/m^3	TWA: 1.0 fiber/cm3 TWA: 6.0 mg/m^3 TWA: 3.0 mg/m^3	TWA: 1 mg/m^3
Barium sulfate 7727-43-7	-	-	TWA: 5 mg/m^3	TWA: 10.0 mg/m^3	TWA: 10 mg/m^3 TWA: 4 mg/m^3
Quartz 14808-60-7	TWA: 0.1 mg/m^3	TWA: 0.05 mg/m^3	TWA: 0.1 mg/m^3	TWA: 0.1 mg/m^3	TWA: 0.1 mg/m^3
Silicon dioxide 7631-86-9	TWA: 0.1 mg/m^3	TWA: 4 mg/m^3	-	TWA: 0.1 mg/m^3	-
Silica, amorphous, fumed, crystal-free 112945-52-5	-	TWA: 4 mg/m^3	-	-	-
Propylene glycol monomethyl ether acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m^3 STEL: 100 ppm STEL: 550 mg/m^3 *	TWA: 50 ppm TWA: 275 mg/m^3 STEL 100 ppm STEL 550 mg/m^3 H*	TWA: 50 ppm TWA: 275 mg/m^3 STEL: 100 ppm STEL: 550 mg/m^3 D*	STEL: 100 ppm STEL: 550.0 mg/m^3 TWA: 50 ppm TWA: 275.0 mg/m^3 K*	TWA: 50 ppm TWA: 275 mg/m^3 STEL: 100 ppm STEL: 550 mg/m^3 *

C.I. Pigment Blue 15 147-14-8	-	TWA: 1 mg/m^3 TWA: 0.1 mg/m^3 STEL 4 mg/m^3 STEL 0.4 mg/m^3	-	-	-
Diisobutyl ketone 108-83-8	-	TWA: 50 ppm TWA: 290 mg/m^3	TWA: 25 ppm TWA: 147 mg/m^3	-	TWA: 25 ppm TWA: 148 mg/m^3
Cumene 98-82-8	* during exposure monitoring, account should be taken of relevant biological monitoring values as suggested by the Scientific Committee on Occupational Exposure Limits for Chemicals Agents (SCOEL) STEL: 250 mg/m^3 during exposure monitoring, account should be taken of relevant biological monitoring values as suggested by the Scientific Committee on Occupational Exposure Limits for Chemicals Agents (SCOEL) STEL: 50 ppm during exposure monitoring, account should be taken of relevant biological monitoring values as suggested by the Scientific Committee on Occupational Exposure Limits for Chemicals Agents (SCOEL) TWA: 50 mg/m^3 during exposure monitoring, account should be taken of relevant biological monitoring values as suggested by the Scientific Committee on Occupational Exposure Limits for Chemicals Agents (SCOEL) TWA: 10 ppm during exposure monitoring, account should be taken of relevant biological	TWA: 10 ppm TWA: 50 mg/m^3 STEL 50 ppm STEL 250 mg/m^3 H*	TWA: 10 ppm TWA: 50 mg/m^3 STEL: 50 ppm STEL: 250 mg/m^3 D*	STEL: 50 ppm STEL: 250 mg/m^3 TWA: 10 ppm TWA: 50 mg/m^3 K*	TWA: 10 ppm TWA: 50 mg/m^3 STEL: 50 ppm STEL: 250 mg/m^3 *

	monitoring values as suggested by the Scientific Committee on Occupational Exposure Limits for Chemicals Agents (SCOEL)				
2,6-Di-tert-butyl-p-cresol 128-37-0	-	TWA: 10 mg/m^3	TWA: 2 mg/m^3	STEL: 50 mg/m^3 TWA: 10 mg/m^3	TWA: 10 mg/m^3
2-Methoxypropyl-1-acetate 70657-70-4	-	TWA: 20 ppm TWA: 110 mg/m^3 STEL 80 ppm STEL 440 mg/m^3 H*	-	-	-
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Talc 14807-96-6	-	TWA: 2.0 mg/m^3	TWA: 0.003 fiber/cm3 STEL: 0.006 fiber/cm3 with asbestos in the form of fibers	-	TWA: 0.5 fiber/cm3 TWA: 2 mg/m^3 TWA: 1 mg/m^3
Quartz 14808-60-7	TWA: 0.1 mg/m^3	TWA: 0.1 mg/m^3	TWA: 0.3 mg/m^3 TWA: 0.1 mg/m^3 STEL: 0.6 mg/m^3 STEL: 0.2 mg/m^3	TWA: 0.1 mg/m^3	TWA: 0.05 mg/m^3
Silicon dioxide 7631-86-9	TWA: 0.1 mg/m^3	TWA: 0.1 mg/m^3 TWA: 4.0 mg/m^3	-	TWA: 2 mg/m^3	TWA: 5 mg/m^3
Propylene glycol monomethyl ether acetate 108-65-6	* STEL: 100 ppm STEL: 550 mg/m^3 TWA: 50 ppm TWA: 275 mg/m^3	TWA: 270 mg/m^3 Ceiling: 550 mg/m^3 D*	TWA: 50 ppm TWA: 275 mg/m^3 H* STEL: 550 mg/m^3 STEL: 100 ppm	S+ TWA: 50 ppm TWA: 275 mg/m^3 STEL: 100 ppm STEL: 550 mg/m^3 A*	TWA: 50 ppm TWA: 270 mg/m^3 STEL: 100 ppm STEL: 550 mg/m^3 iho*
C.I. Pigment Blue 15 147-14-8	-	-	-	-	TWA: 0.02 mg/m^3
Diisobutyl ketone 108-83-8	-	-	TWA: 25 ppm TWA: 150 mg/m^3 STEL: 50 ppm STEL: 300 mg/m^3	-	TWA: 25 ppm TWA: 150 mg/m^3 STEL: 40 ppm STEL: 240 mg/m^3
Cumene 98-82-8	* STEL: 50 ppm STEL: 250 mg/m^3 TWA: 10 ppm TWA: 50 mg/m^3	TWA: 100 mg/m^3 Ceiling: 250 mg/m^3 D*	TWA: 10 ppm TWA: 50 mg/m^3 H* STEL: 250 mg/m^3 STEL: 50 ppm	TWA: 10 ppm TWA: 50 mg/m^3 STEL: 50 ppm STEL: 250 mg/m^3 A*	TWA: 10 ppm TWA: 50 mg/m^3 STEL: 50 ppm STEL: 250 mg/m^3 iho*
2,6-Di-tert-butyl-p-cresol 128-37-0	-	-	TWA: 10 mg/m^3 STEL: 20 mg/m^3	-	TWA: 10 mg/m^3 STEL: 20 mg/m^3
2-Methoxypropyl-1-acetate 70657-70-4	-	TWA: 270 mg/m^3 Ceiling: 550 mg/m^3 D*	TWA: 20 ppm TWA: 110 mg/m^3 STEL: 40 ppm STEL: 220 mg/m^3	-	-
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Talc 14807-96-6	-	TWA: 1.25 mg/m^3 TWA: 10 mg/m^3	-	TWA: 10 mg/m^3 TWA: 2 mg/m^3	TWA: 2 mg/m^3
Barium sulfate 7727-43-7	-	TWA: 1.25 mg/m^3 TWA: 10 mg/m^3	TWA: 4 mg/m^3 TWA: 0.3 mg/m^3 Peak: 2.4 mg/m^3	-	-
Quartz	TWA: 0.1 mg/m^3	-	-	TWA: 0.1 mg/m^3	TWA: 0.1 mg/m^3

14808-60-7					
Silicon dioxide 7631-86-9	-	TWA: 4 mg/m^3	TWA: 0.02 mg/m^3 Peak: 0.16 mg/m^3	TWA: 0.1 mg/m^3	-
Silica, amorphous, fumed, crystal-free 112945-52-5	-	-	TWA: 0.02 mg/m^3 Peak: 0.16 mg/m^3	-	-
Propylene glycol monomethyl ether acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m^3 STEL: 100 ppm STEL: 550 mg/m^3 *	TWA: 50 ppm TWA: 270 mg/m^3	TWA: 50 ppm TWA: 270 mg/m^3 Peak: 50 ppm Peak: 270 mg/m^3	TWA: 50 ppm TWA: 275 mg/m^3 STEL: 100 ppm STEL: 550 mg/m^3 *	TWA: 275 mg/m^3 STEL: 550 mg/m^3
C.I. Pigment Blue 15 147-14-8	-	-	-	-	TWA: 0.1 mg/m^3 STEL: 0.2 mg/m^3
Butanamide, 2,2`-[(3,3`-dichloro[1,1`-biphenyl]-4,4`-diyl 5102-83-0	-	-	TWA: 0.3 mg/m^3 Peak: 2.4 mg/m^3	-	-
Diisobutyl ketone 108-83-8	TWA: 25 ppm TWA: 250 mg/m^3	-	-	TWA: 50 ppm TWA: 290 mg/m^3	-
Cumene 98-82-8	TWA: 10 ppm TWA: 50 mg/m^3 STEL: 50 ppm STEL: 250 mg/m^3 *	TWA: 10 ppm TWA: 50 mg/m^3 H*	TWA: 10 ppm TWA: 50 mg/m^3 Peak: 40 ppm Peak: 200 mg/m^3 *	TWA: 10 ppm TWA: 50 mg/m^3 STEL: 50 ppm STEL: 250 mg/m^3 *	TWA: 50 mg/m^3 STEL: 250 mg/m^3 b*
2,6-Di-tert-butyl-p-cresol 128-37-0	TWA: 10 mg/m^3	TWA: 10 mg/m^3	TWA: 10 mg/m^3 Peak: 40 mg/m^3	TWA: 10 mg/m^3	-
2-Methoxypropyl-1-acetate 70657-70-4	-	TWA: 5 ppm TWA: 28 mg/m^3 H*	TWA: 5 ppm TWA: 27 mg/m^3 Peak: 10 ppm Peak: 54 mg/m^3 *	-	-

Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Talc 14807-96-6	TWA: 10 mg/m^3 TWA: 0.8 mg/m^3 STEL: 30 mg/m^3 STEL: 2.4 mg/m^3	-	TWA: 2 mg/m^3	-	TWA: 2 mg/m^3 TWA: 1 mg/m^3
Barium sulfate 7727-43-7	TWA: 5 mg/m^3 STEL: 15 mg/m^3	-	TWA: 5 mg/m^3	-	-
Quartz 14808-60-7	TWA: 0.1 mg/m^3 STEL: 0.3 mg/m^3	TWA: 0.1 mg/m^3	TWA: 0.025 mg/m^3	TWA: 0.1 mg/m^3	TWA: 0.1 ppm
Silicon dioxide 7631-86-9	TWA: 6 mg/m^3 TWA: 2.4 mg/m^3 STEL: 18 mg/m^3 STEL: 7.2 mg/m^3	TWA: 0.1 mg/m^3	-	TWA: 1 mg/m^3	-
Melamine 108-78-1	-	-	-	-	TWA: 0.5 mg/m^3
Propylene glycol monomethyl ether acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m^3 STEL: 100 ppm STEL: 550 mg/m^3 Sk*	TWA: 50 ppm TWA: 275 mg/m^3 STEL: 100 ppm STEL: 550 mg/m^3 cute*	-	TWA: 50 ppm TWA: 275 mg/m^3 STEL: 100 ppm STEL: 550 mg/m^3 Ada*	O* TWA: 50 ppm TWA: 250 mg/m^3 STEL: 75 ppm STEL: 400 mg/m^3
C.I. Pigment Blue 15 147-14-8	-	-	TWA: 1 mg/m^3	TWA: 5 mg/m^3	TWA: 5 mg/m^3
Diisobutyl ketone 108-83-8	TWA: 25 ppm TWA: 150 mg/m^3 STEL: 75 ppm	-	TWA: 25 ppm TWA: 145 mg/m^3	-	-

	STEL: 450 mg/m³				
Cumene 98-82-8	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ cute*	TWA: 50 ppm TWA: 246 mg/m³	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Ada*	O* TWA: 50 mg/m³ TWA: 10 ppm STEL: 170 mg/m³ STEL: 35 ppm
2,6-Di-tert-butyl-p-cresol 128-37-0	TWA: 2 mg/m³ STEL: 6 mg/m³	-	TWA: 2 mg/m³	-	-
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Talc 14807-96-6	-	-	TWA: 0.25 mg/m³	TWA: 6 mg/m³ TWA: 2 mg/m³ STEL: 12 mg/m³ STEL: 4 mg/m³	TWA: 4 mg/m³ TWA: 1 mg/m³
Barium sulfate 7727-43-7	-	-	-	TWA: 0.5 mg/m³ STEL: 1.5 mg/m³	-
Quartz 14808-60-7	-	-	TWA: 0.075 mg/m³	TWA: 0.05 mg/m³ TWA: 0.1 mg/m³ TWA: 0.3 mg/m³ STEL: 0.9 mg/m³ STEL: 0.15 mg/m³ STEL: 0.3 mg/m³	TWA: 0.1 mg/m³
Silicon dioxide 7631-86-9	-	-	TWA: 0.75 mg/m³	TWA: 1.5 mg/m³ STEL: 3 mg/m³	-
Propylene glycol monomethyl ether acetate 108-65-6	Peau* STEL: 100 ppm STEL: 550 mg/m³ TWA: 50 ppm TWA: 275 mg/m³	skin* STEL: 100 ppm STEL: 550 mg/m³ TWA: 50 ppm TWA: 275 mg/m³	TWA: 550 mg/m³	TWA: 50 ppm TWA: 270 mg/m³ STEL: 75 ppm STEL: 337.5 mg/m³ H*	STEL: 520 mg/m³ TWA: 260 mg/m³ skóra*
Titanium, bis(.eta.5-2,4-cyclopentadien-1-yl)bis[2,6-difluoro-3-(1H-pyrrol-1-yl)phenyl]- 125051-32-3	-	-	-	-	STEL: 30 mg/m³ TWA: 10 mg/m³
Diisobutyl ketone 108-83-8	-	-	-	TWA: 20 ppm TWA: 120 mg/m³ STEL: 30 ppm STEL: 150 mg/m³	STEL: 300 mg/m³ TWA: 150 mg/m³
Cumene 98-82-8	Peau* STEL: 50 ppm STEL: 250 mg/m³ TWA: 10 ppm TWA: 50 mg/m³	skin* STEL: 50 ppm STEL: 250 mg/m³ TWA: 10 ppm TWA: 50 mg/m³	TWA: 50 mg/m³ STEL: 250 mg/m³ H*	TWA: 50 mg/m³ TWA: 10 ppm STEL: 250 mg/m³ STEL: 50 ppm H*	STEL: 250 mg/m³ TWA: 50 mg/m³ skóra*
2-Methoxypropyl-1-acetate 70657-70-4	-	-	-	TWA: 20 ppm TWA: 110 mg/m³ STEL: 30 ppm STEL: 137.5 mg/m³ H*	STEL: 200 mg/m³ TWA: 100 mg/m³
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Talc 14807-96-6	TWA: 2 mg/m³	TWA: 2 mg/m³	-	-	TWA: 2 mg/m³
Barium sulfate 7727-43-7	TWA: 5 mg/m³	-	TWA: 4 mg/m³ TWA: 1.5 mg/m³	-	TWA: 10 mg/m³
Quartz 14808-60-7	TWA: 0.025 mg/m³	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³ STEL: 0.5 mg/m³	TWA: 0.05 mg/m³	TWA: 0.05 mg/m³
Silicon dioxide 7631-86-9	TWA: 0.05 mg/m³ TWA: 0.1 mg/m³	-	-	TWA: 4 mg/m³	-

Propylene glycol monomethyl ether acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m^3 STEL: 100 ppm STEL: 550 mg/m^3 Cutânea*	TWA: 50 ppm TWA: 275 mg/m^3 STEL: 100 ppm STEL: 550 mg/m^3 P*	TWA: 50 ppm TWA: 275 mg/m^3 K* Ceiling: 550 mg/m^3	TWA: 50 ppm TWA: 275 mg/m^3 STEL: 100 ppm STEL: 550 mg/m^3 K*	TWA: 50 ppm TWA: 275 mg/m^3 STEL: 100 ppm STEL: 550 mg/m^3 vía dérmica*
C.I. Pigment Blue 15 147-14-8	-	-	-	-	TWA: 0.01 mg/m^3
Butanamide, 2,2`-[(3,3`-dichloro[1,1`-biphenyl]-4,4`-diyl 5102-83-0	-	-	TWA: 8 mg/m^3 STEL: 40 mg/m^3	-	-
Diisobutyl ketone 108-83-8	TWA: 25 ppm	TWA: 26 ppm TWA: 150 mg/m^3 STEL: 43 ppm STEL: 250 mg/m^3	-	-	TWA: 25 ppm TWA: 148 mg/m^3
Cumene 98-82-8	TWA: 10 ppm TWA: 50 mg/m^3 STEL: 50 ppm STEL: 250 mg/m^3 Cutânea*	TWA: 20 ppm TWA: 100 mg/m^3 STEL: 50 ppm STEL: 250 mg/m^3 P*	TWA: 20 ppm TWA: 500 mg/m^3 K* Ceiling: 250 mg/m^3	TWA: 10 ppm TWA: 50 mg/m^3 STEL: 50 ppm STEL: 250 mg/m^3 K*	TWA: 10 ppm TWA: 50 mg/m^3 STEL: 50 ppm STEL: 250 mg/m^3 vía dérmica*
2,6-Di-tert-butyl-p-cresol 128-37-0	TWA: 2 mg/m^3	-	-	TWA: 10 mg/m^3 STEL: 40 mg/m^3	TWA: 10 mg/m^3
2-Methoxypropyl-1-acetate 70657-70-4	-	-	TWA: 20 ppm TWA: 110 mg/m^3 K* Ceiling: 220 mg/m^3	TWA: 28 mg/m^3 TWA: 5 ppm STEL: 40 ppm STEL: 224 mg/m^3 K*	TWA: 5 ppm TWA: 28 mg/m^3 STEL: 40 ppm STEL: 220 mg/m^3

Chemical name	Sweden	Switzerland	United Kingdom
2-(2-ethoxyethoxy)ethyl acetate 112-15-2	NGV: 15 ppm NGV: 110 mg/m^3 Vägledande KGV: 30 ppm Vägledande KGV: 220 mg/m^3 H*	-	-
Talc 14807-96-6	NGV: 2 mg/m^3 NGV: 1 mg/m^3	TWA: 3 mg/m^3 TWA: 10 mg/m^3	TWA: 1 mg/m^3 STEL: 3 mg/m^3
Barium sulfate 7727-43-7	-	TWA: 3 mg/m^3 TWA: 10 mg/m^3	TWA: 10 mg/m^3 TWA: 4 mg/m^3 STEL: 30 mg/m^3 STEL: 12 mg/m^3
Quartz 14808-60-7	NGV: 0.1 mg/m^3	TWA: 0.15 mg/m^3	TWA: 0.1 mg/m^3 STEL: 0.3 mg/m^3
Silicon dioxide 7631-86-9	-	TWA: 4 mg/m^3	TWA: 6 mg/m^3 TWA: 2.4 mg/m^3 STEL: 18 mg/m^3 STEL: 7.2 mg/m^3
Propylene glycol monomethyl ether acetate 108-65-6	NGV: 50 ppm NGV: 275 mg/m^3 Bindande KGV: 100 ppm Bindande KGV: 550 mg/m^3 H*	TWA: 50 ppm TWA: 275 mg/m^3 STEL: 50 ppm STEL: 275 mg/m^3	TWA: 50 ppm TWA: 274 mg/m^3 STEL: 100 ppm STEL: 548 mg/m^3 Sk*
C.I. Pigment Blue 15 147-14-8	-	-	TWA: 1 mg/m^3 STEL: 2 mg/m^3
Diisobutyl ketone 108-83-8	-	TWA: 25 ppm TWA: 150 mg/m^3	TWA: 25 ppm TWA: 148 mg/m^3 STEL: 75 ppm STEL: 444 mg/m^3
Cumene	NGV: 10 ppm	TWA: 20 ppm	TWA: 25 ppm

98-82-8	NGV: 50 mg/m^3 Bindande KGV: 50 ppm Bindande KGV: 250 mg/m^3 H*	TWA: 100 mg/m^3 STEL: 80 ppm STEL: 400 mg/m^3 H*	TWA: 125 mg/m^3 STEL: 50 ppm STEL: 250 mg/m^3 Sk*
2,6-Di-tert-butyl-p-cresol 128-37-0	-	TWA: 10 mg/m^3 STEL: 40 mg/m^3	TWA: 10 mg/m^3 STEL: 30 mg/m^3
2-Methoxypropyl-1-acetate 70657-70-4	-	TWA: 5 ppm TWA: 28 mg/m^3 STEL: 40 ppm STEL: 224 mg/m^3 H*	-

Biological occupational exposure limits

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
Cumene 98-82-8	-	-	7 mg/g Creatinine - urine (2-Phenol-2 propanol) - up to two hours after the end of work shift	-	-

Chemical name	Denmark	Finland	France	Germany DFG	Germany TRGS
Cumene 98-82-8	-	-	-	10 mg/g Creatinine (urine - 2-Phenyl-2-propanol (after hydrolysis) end of shift) 10 mg/g Creatinine - BAT (end of exposure or end of shift) urine	10 mg/g Creatinine (urine - 2-Phenyl-2-propanol (after hydrolysis) end of shift)
2,6-Di-tert-butyl-p-cresol 128-37-0	-	-	-	7 µg/L - BAR (end of exposure or end of shift) urine	-

Chemical name	Latvia	Luxembourg	Romania	Slovakia
Titanium, bis(.eta.5-2,4-cyclopentadien-1-yl)bis[2,6-difluoro-3-(1H-pyrrol-1-yl)phenyl]- 125051-32-3	-	-	5 mg/g Creatinine - urine (Fluorine) - end of shift	-
Cumene 98-82-8	7 µg/g Creatinine - urine (Cumene) - no later than two hours after the end of the shift	-	-	10.6 mg/L (urine - 2-Phenylpropane end of exposure or work shift)

Chemical name	Slovenia	Spain	Switzerland	United Kingdom
Cumene 98-82-8	10 mg/g Creatinine - urine (2-Phenyl-2-propanol (after hydrolysis)) - at the end of the work shift	7 mg/g Creatinine (urine - 2-Phenyl-2-propanol end of shift)	20 mg/g creatinine (urine - 2-Phenyl-2-propanol after hydrolysis end of shift) 16.6 µmol/mmol creatinine (urine - 2-Phenyl-2-propanol after hydrolysis end of shift)	-

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation

Chemical name	Oral	Dermal	Inhalation
2-(2-ethoxyethoxy)ethyl acetate 112-15-2	-	1.48 mg/kg bw/day [4] [6]	10.45 mg/m^3 [4] [6]
Talc 14807-96-6	-	43.2 mg/kg bw/day [4] [6] 4.54 mg/cm2 [5] [6]	2.16 mg/m^3 [4] [6] 2.16 mg/m^3 [4] [7] 3.6 mg/m^3 [5] [6] 3.6 mg/m^3 [5] [7]
Barium sulfate 7727-43-7	-	-	10 mg/m^3 [4] [6] 10 mg/m^3 [5] [6]
Petroleum naphtha, light aromatic 64742-95-6	-	-	1286.4 mg/m^3 [4] [7] 837.5 mg/m^3 [5] [6] 1066.67 mg/m^3 [5] [7]
Melamine 108-78-1	-	11.8 mg/kg bw/day [4] [6] 117 mg/kg bw/day [4] [7]	8.3 mg/m^3 [4] [6] 82.3 mg/m^3 [4] [7]
Propylene glycol monomethyl ether acetate 108-65-6	-	796 mg/kg bw/day [4] [6]	275 mg/m^3 [4] [6] 550 mg/m^3 [5] [7]
C.I. Pigment Blue 15 147-14-8	-	450 mg/kg bw/day [4] [6]	4 mg/m^3 [4] [6]
Butanamide, 2,2`-[(3,3`-dichloro[1,1`-biphenyl]-4,4`-diyl 5102-83-0	-	45 mg/kg bw/day [4] [6]	3 mg/m^3 [5] [6]
Diisobutyl ketone 108-83-8	-	7.7 mg/kg bw/day [4] [6]	53 mg/m^3 [4] [6]
Cumene 98-82-8	-	15.4 mg/kg bw/day [4] [6]	100 mg/m^3 [4] [6] 250 mg/m^3 [5] [7]
2,6-Di-tert-butyl-p-cresol 128-37-0	-	0.5 mg/kg bw/day [4] [6]	3.5 mg/m^3 [4] [6]

Notes

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
2-(2-ethoxyethoxy)ethyl acetate 112-15-2	0.75 mg/kg bw/day [4] [6]	-	2.6 mg/m^3 [4] [6]
Talc 14807-96-6	160 mg/kg bw/day [4] [6] 160 mg/kg bw/day [4] [7]	2.27 mg/cm2 [5] [6]	1.08 mg/m^3 [4] [6] 1.08 mg/m^3 [4] [7] 1.8 mg/m^3 [5] [6] 1.8 mg/m^3 [5] [7]
Barium sulfate 7727-43-7	13000 mg/kg bw/day [4] [6]	-	10 mg/m^3 [4] [6]
Petroleum naphtha, light aromatic 64742-95-6	-	-	1152 mg/m^3 [4] [7] 178.57 mg/m^3 [5] [6] 640 mg/m^3 [5] [7]
Melamine 108-78-1	0.42 mg/kg bw/day [4] [6]	-	1.5 mg/m^3 [4] [6]
Propylene glycol monomethyl ether acetate 108-65-6	36 mg/kg bw/day [4] [6]	-	33 mg/m^3 [4] [6] 33 mg/m^3 [5] [6]
C.I. Pigment Blue 15	45 mg/kg bw/day [4] [6]	-	-

Chemical name	Oral	Dermal	Inhalation
147-14-8			
Butanamide, 2,2`-[(3,3`-dichloro[1,1`-biphenyl]-4,4`-diyl 5102-83-0	28 mg/kg bw/day [4] [6]	-	-
Cumene 98-82-8	5 mg/kg bw/day [4] [6]	-	16.6 mg/m³ [4] [6]
2,6-Di-tert-butyl-p-cresol 128-37-0	-	-	0.86 mg/m³ [4] [6]

Notes

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
2-(2-ethoxyethoxy)ethyl acetate 112-15-2	0.11 mg/L	1.1 mg/L	0.01 mg/L	-	-
Talc 14807-96-6	597.97 mg/L	597.97 mg/L	141.26 mg/L	141.26 mg/L	10 mg/m³
Barium sulfate 7727-43-7	115 µg/L	-	-	-	-
Melamine 108-78-1	0.51 mg/L	2 mg/L	0.051 mg/L	-	-
Propylene glycol monomethyl ether acetate 108-65-6	0.635 mg/L	6.35 mg/L	0.0635 mg/L	-	-
Diisobutyl ketone 108-83-8	0.03 mg/L	0.3 mg/L	0.003 mg/L	-	-
Cumene 98-82-8	0.035 mg/L	0.012 mg/L	0.0035 mg/L	-	-
2,6-Di-tert-butyl-p-cresol 128-37-0	0.199 µg/L	1.99 µg/L	0.0199 µg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
2-(2-ethoxyethoxy)ethyl acetate 112-15-2	0.4748 mg/kg sediment dw	0.04748 mg/kg sediment dw	10 mg/L	0.0448 mg/kg soil dw	-
Talc 14807-96-6	31.33 mg/kg sediment dw	3.13 mg/kg sediment dw	-	-	-
Barium sulfate 7727-43-7	600.4 mg/kg sediment dw	-	62.2 mg/L	207.7 mg/kg soil dw	-
Melamine 108-78-1	2.524 mg/kg sediment dw	0.2524 mg/kg sediment dw	200 mg/L	0.206 mg/kg soil dw	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Propylene glycol monomethyl ether acetate 108-65-6	3.29 mg/kg sediment dw	0.329 mg/kg sediment dw	100 mg/L	0.29 mg/kg soil dw	-
C.I. Pigment Blue 15 147-14-8	10 mg/kg sediment dw	1 mg/kg sediment dw	-	1 mg/kg soil dw	-
Diisobutyl ketone 108-83-8	0.46 mg/kg sediment dw	0.046 mg/kg sediment dw	2.55 mg/L	0.0746 mg/kg soil dw	-
Cumene 98-82-8	3.22 mg/kg sediment dw	0.322 mg/kg sediment dw	200 mg/L	0.624 mg/kg soil dw	-
2,6-Di-tert-butyl-p-cresol 128-37-0	99.6 µg/kg sediment dw	9.96 µg/kg sediment dw	0.17 mg/L	47.69 µg/kg soil dw	8.33 mg/kg food

8.2. Exposure controls

Engineering controls
Showers
Eyewash stations
Ventilation systems.

Personal protective equipment

Eye/face protection
Tight sealing safety goggles.

Hand protection
Wear suitable gloves. Impervious gloves.

Skin and body protection
Wear suitable protective clothing. Long sleeved clothing.

Respiratory protection
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations
Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended.

Environmental exposure controls
No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state Liquid

Colour Green

Odour Organic solvent

Odour threshold No information available

Property	Values	Remarks • Method
Melting point / freezing point		No data available
Initial boiling point and boiling range		No data available
Flammability		No data available
Flammability Limit in Air		

Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
Flash point	78 °C	
Autoignition temperature		No data available
Decomposition temperature		No data available
pH		No data available
pH (as aqueous solution)		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available
Water solubility		No data available
Solubility(ies)		No data available
Partition coefficient		No data available
Vapour pressure		No data available
Relative density	1.38	
Bulk density		No data available
Liquid Density		No data available
Vapour density		No data available
Particle characteristics		
Particle Size		No data available
Particle Size Distribution		No data available

9.2. Other information

VOC content	25 %
VOC	236 g/l

9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity None under normal use conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Incompatible materials. Heat, flames and sparks.

10.5. Incompatible materials

Incompatible materials Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NOx). Barium oxides. Sulphur oxides.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Skin contact Specific test data for the substance or mixture is not available. May cause sensitisation by skin contact. (based on components). Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May cause irritation. Prolonged contact may cause redness and irritation.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document:

ATEmix (oral) > 5,000 mg/kg
ATEmix (dermal) > 5,000 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
2-(2-ethoxyethoxy)ethyl acetate	= 11 g/kg (Rat)	= 15100 mg/kg (Rabbit)	-
Barium sulfate	= 307000 mg/kg (Rat)	-	-
Silicon dioxide	= 7900 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Silica, amorphous, fumed, crystal-free	= 3160 mg/kg (Rat)	-	-

Petroleum naphtha, light aromatic	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
Melamine	= 3161 mg/kg (Rat)	> 1 g/kg (Rabbit)	-
Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Propylene glycol monomethyl ether acetate	= 8532 mg/kg (Rat)	> 5 g/kg (Rabbit)	= 16000 mg/m^3 (Rat) 6 h
C.I. Pigment Blue 15	> 10000 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
Butanamide, 2,2`-[(3,3`-dichloro[1,1`-biphenyl]-4,4`-diyl	> 5 g/kg (Rat)	> 3000 mg/kg (Rat)	> 4250 mg/L (Rat) 4 h
Titanium, bis(.eta.5-2,4-cyclopentadien-1-yl)bis[2,6-difluoro-3-(1H-pyrrol-1-yl)phenyl]-	-	> 2000 mg/kg (Rat)	-
Diisobutyl ketone	= 5750 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 2300 ppm (Rat) 4 h
Cumene	= 1400 mg/kg (Rat)	= 12300 µL/kg (Rabbit)	> 3577 ppm (Rat) 6 h
2,6-Di-tert-butyl-p-cresol	> 2930 mg/kg (Rat)	> 2000 mg/kg (Rat)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation May cause skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity Contains a known or suspected mutagen. Classification based on data available for ingredients. May cause genetic defects.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic.

Chemical name	European Union
Petroleum naphtha, light aromatic	Muta. 1B

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union
Petroleum naphtha, light aromatic	Carc. 1B
Melamine	Carc. 2
Cumene	Carc. 1B

Reproductive toxicity Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. May damage fertility or the unborn child.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	European Union
Titanium, bis(.eta.5-2,4-cyclopentadien-1-yl)bis[2,6-difluoro-3-(1H-pyrrol-1-yl)phe	Repr. 2

Chemical name	European Union
nyl]-	
2-Methoxypropyl-1-acetate	Repr. 1B

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Talc 14807-96-6	-	LC50: >100g/L (96h, Brachydanio rerio)	-	-
Silicon dioxide 7631-86-9	EC50: =440mg/L (72h, Pseudokirchneriella subcapitata)	LC50: =5000mg/L (96h, Brachydanio rerio)	-	EC50: =7600mg/L (48h, Ceriodaphnia dubia)
Petroleum naphtha, light aromatic 64742-95-6	-	LC50: =9.22mg/L (96h, Oncorhynchus mykiss)	-	EC50: =6.14mg/L (48h, Daphnia magna)
Melamine 108-78-1	EC50: =940mg/L (96h, Scenedesmus pannonicus)	LC50: >3000mg/L (96h, Poecilia reticulata)	-	EC50: >2000mg/L (48h, Daphnia magna)
Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)- 162881-26-7	-	LC50: >90µg/L (96h, Danio rerio)	-	-
Propylene glycol monomethyl ether acetate 108-65-6	-	LC50: =161mg/L (96h, Pimephales promelas)	-	EC50: >500mg/L (48h, Daphnia magna)
Titanium, bis(.eta.5-2,4-cyclopentadien-1-yl)bis[2,6-difluoro-3-(1H-pyrrol-1-yl)phenyl]- 125051-32-3	-	LC50: >100mg/L (96h, Danio rerio)	-	-
Diisobutyl ketone 108-83-8	EC50: =100mg/L (96h, Pseudokirchneriella	LC50: =140mg/L (96h, Oncorhynchus mykiss)	-	-

	subcapitata)			
Cumene 98-82-8	EC50: =2.6mg/L (72h, Pseudokirchneriella subcapitata)	LC50: 6.04 - 6.61mg/L (96h, Pimephales promelas) LC50: =4.8mg/L (96h, Oncorhynchus mykiss) LC50: =2.7mg/L (96h, Oncorhynchus mykiss) LC50: =5.1mg/L (96h, Poecilia reticulata)	EC50 = 0.89 mg/L 5 min EC50 = 1.10 mg/L 15 min EC50 = 1.48 mg/L 30 min EC50 = 172 mg/L 24 h	EC50: =0.6mg/L (48h, Daphnia magna) EC50: 7.9 - 14.1mg/L (48h, Daphnia magna)
2,6-Di-tert-butyl-p-cresol 128-37-0	EC50: =6mg/L (72h, Pseudokirchneriella subcapitata) EC50: >0.42mg/L (72h, Desmodesmus subspicatus)	-	-	-

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient
2-(2-ethoxyethoxy)ethyl acetate	0.74
Melamine	-1.22
Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-	5.8
Propylene glycol monomethyl ether acetate	1.2
C.I. Pigment Blue 15	6.6
Butanamide, 2,2`-[(3,3`-dichloro[1,1`-biphenyl]-4,4`-diyl	1.8
Titanium, bis(.eta.5-2,4-cyclopentadien-1-yl)bis[2,6-difluoro-3-(1H-pyrrol-1-yl)phenyl]-	9.5
Diisobutyl ketone	3.71
Cumene	3.55
2,6-Di-tert-butyl-p-cresol	5.1

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
2-(2-ethoxyethoxy)ethyl acetate 112-15-2	The substance is not PBT / vPvB
Talc 14807-96-6	The substance is not PBT / vPvB
Barium sulfate 7727-43-7	The substance is not PBT / vPvB

Silicon dioxide 7631-86-9	The substance is not PBT / vPvB
Petroleum naphtha, light aromatic 64742-95-6	The substance is not PBT / vPvB
Melamine 108-78-1	The substance is not PBT / vPvB
Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)- 162881-26-7	The substance is not PBT / vPvB
Propylene glycol monomethyl ether acetate 108-65-6	The substance is not PBT / vPvB
C.I. Pigment Blue 15 147-14-8	The substance is not PBT / vPvB
Butanamide, 2,2`-[(3,3`-dichloro[1,1`-biphenyl]-4,4`-diyl 5102-83-0	The substance is not PBT / vPvB
Titanium, bis(.eta.5-2,4-cyclopentadien-1-yl)bis[2,6-difluoro-3-(1H-pyrrol-1-yl)phenyl]- 125051-32-3	The substance is not PBT / vPvB
Diisobutyl ketone 108-83-8	The substance is not PBT / vPvB
Cumene 98-82-8	The substance is not PBT / vPvB
2,6-Di-tert-butyl-p-cresol 128-37-0	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

12.7. Other adverse effects

Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

Waste codes / waste designations according to EWC / AVV According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

IMDG Not regulated

14.1 UN number or ID number Not regulated

14.2 UN proper shipping name Not regulated

14.3 Transport hazard class(es) Not regulated

14.4 Packing group Not regulated

14.5 Environmental hazards Not applicable
14.6 Special Precautions for Users
Special Provisions None
14.7 Maritime transport in bulk according to IMO instruments No information available

RID Not regulated
14.1 UN number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special Precautions for Users
Special Provisions None

ADR Not regulated
14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special Precautions for Users
Special Provisions None

IATA Not regulated
14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special Precautions for Users
Special Provisions None
Note: None

SECTION 15: Regulatory information

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

National regulations

France
Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
2-(2-ethoxyethoxy)ethyl acetate 112-15-2	RG 84
Talc 14807-96-6	RG 25
Quartz 14808-60-7	RG 25
Silicon dioxide 7631-86-9	RG 25
Petroleum naphtha, light aromatic 64742-95-6	RG 84
Propylene glycol monomethyl ether acetate 108-65-6	RG 84
Diisobutyl ketone	RG 84

108-83-8	
Cumene 98-82-8	RG 84
2-Methoxypropyl-1-acetate 70657-70-4	RG 84

Germany

Water hazard class (WGK) strongly hazardous to water (WGK 3)

Netherlands

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins
Quartz	Present	-	-
Titanium, bis(.eta.5-2,4-cyclopentadien-1-yl)bis[2,6-difluoro-3-(1H-pyrrol-1-yl)phenyl]-	-	-	Fertility Category 2
Cumene	Present	-	-
2-Methoxypropyl-1-acetate	-	-	Development Category 1B

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorisations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
Petroleum naphtha, light aromatic - 64742-95-6	28. 29. 75.	-
Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)- - 162881-26-7	75.	-
C.I. Pigment Blue 15 - 147-14-8	75.	-
Butanamide, 2,2`-[(3,3`-dichloro[1,1`-biphenyl]-4,4`-diyl - 5102-83-0	75.	-
Titanium, bis(.eta.5-2,4-cyclopentadien-1-yl)bis[2,6-difluoro-3-(1H-pyrrol-1-yl)phenyl]- - 125051-32-3	75.	-
2-Methoxypropyl-1-acetate - 70657-70-4	30. 75.	-

Persistent Organic Pollutants

Not applicable

Named dangerous substances per Seveso Directive (2012/18/EU)

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Petroleum naphtha, light aromatic - 64742-95-6	-	25000

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

EU - Plant Protection Products (1107/2009/EC)

Chemical name	EU - Plant Protection Products (1107/2009/EC)
Talc - 14807-96-6	Plant protection agent
Quartz - 14808-60-7	Plant protection agent

International Inventories

Contact supplier for inventory compliance status

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H304 - May be fatal if swallowed and enters airways
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H350i - May cause cancer by inhalation
H373 - May cause damage to organs through prolonged or repeated exposure
H413 – May cause long lasting harmful effects to aquatic life

Legend

ATE: Acute Toxicity Estimate
SVHC: Substances of Very High Concern for Authorisation:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	On basis of test data
STOT - single exposure	Calculation method
STOT - repeated exposure	On basis of test data

Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Issuing Date 24-May-2015

Revision Date 01-Dec-2023

Revision Note Hazard change

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet