SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issuing Date 24-May-2015 **Revision Date** 12-Aug-2021 **Revision Number** 10

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

1.1. Product identifier

Product Code(s) 800083, 800097, 800108, 800115, 800144

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

Contains Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide, Petroleum naphtha, light aromatic

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

Distributor
Ventec Central Europe GmbH

Morschheimerstraße 15

67292 Kirchheimbolanden

Germany

phone: +496352 75326-0

Importer/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)

SECTION 2: Hazards identification

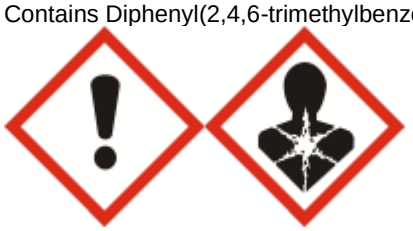
2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1 - (H317)
Germ cell mutagenicity	Category 1B - (H340)
Carcinogenicity	Category 1B - (H350)
Reproductive toxicity	Category 1B - (H360)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements

Contains Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide, Petroleum naphtha, light aromatic



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
H360 - May damage fertility or the unborn child
H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)
P201 - Obtain special instructions before use
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P308 + P313 - IF exposed or concerned: Get medical advice/attention
P321 - Specific treatment (see supplemental first aid instructions on this label)
P362 + P364 - Take off contaminated clothing and wash it before reuse

2.3. Other hazards

Combustible liquid.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
2-(2-ethoxyethoxy)ethyl acetate	203-940-1	112-15-2	10-30	Eye Irrit. 2 (H319)	01-2119966911-29
Talc	238-877-9	14807-96-6	10-30	Not Classified	01-2120140278-58
Barium sulfate	231-784-4	7727-43-7	7-13	Not Classified	01-2119491274-35
Quartz	238-878-4	14808-60-7	5-10	STOT RE 2 (H373) Carc. 1A (H350i)	No data available
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	278-355-8	75980-60-8	1-5	Skin Sens. 1 (H317) Repr. 1B (H360) Aquatic Chronic 2 (H411)	01-2119972295-29
Silicon dioxide	231-545-4	7631-86-9	1-5	Not Classified	01-2119379499-16
Silica, amorphous, fumed, crystal-free	-	112945-52-5	1-5	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	No data available

				STOT SE 3 (H335)	
Petroleum naphtha, light aromatic	265-199-0	64742-95-6	1-5	Asp. Tox. 1 (H304) Carc. 1B (H350 Muta. 1B (H340)	No data available
Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-	423-340-5	162881-26-7	0-1	Skin Sens. 1A (H317) Aquatic Chronic 4 (H413)	No data available
Propylene glycol monomethyl ether acetate	203-603-9	108-65-6	0.1-1	Flam. Liq. 3 (H226)	No data available
C.I. Pigment Blue 15	205-685-1	147-14-8	0.1-1	Not Classified	No data available
Titanium, bis(.eta.5-2,4-cyclopentadien-1-yl)bis[2,6-difluoro-3-(1H-pyrrol-1-yl)phenyl]-	412-000-1	125051-32-3	0.1-1	Repr. 2 (H361f) STOT RE 2 (H373) Aquatic Chronic 2 (H411) Flam. Sol. 1 (H228)	No data available
Diisobutyl ketone	203-620-1	108-83-8	<0.1	STOT SE 3 (H335) Flam. Liq. 3 (H226)	No data available
Cumene	202-704-5	98-82-8	<0.1	STOT SE 3 (H335) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) Flam. Liq. 3 (H226)	No data available
2,6-Di-tert-butyl-p-cresol	204-881-4	128-37-0	<0.1	Acute Aquatic - 1 Chronic Aquatic - 1	No data available
2-Methoxypropyl-1-acetate	274-724-2	70657-70-4	<0.1	Repr. 1B (H360D) STOT SE 3 (H335) Flam. Liq. 3 (H226)	No data available

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

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.

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.

Skin contact Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.

Ingestion Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

Self-protection of the first aider 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. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing.

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

Symptoms Itching. Rashes. Hives. Burning sensation.

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 Combustible material. Vapours may travel to source of ignition and flash back. Keep product and empty container away from heat and sources of ignition. Thermal decomposition can lead to release of irritating gases and vapours. In the event of fire, cool tanks with water spray. Product is or contains a sensitiser. May cause sensitisation by skin contact.

5.3. Advice for firefighters

Specific/special fire-fighting measures Fires need to be assessed to determine appropriate protocols and safety measures for firefighting, including establishing safe zones, extinguishing media to be used, firefighter protection, and actions to control or extinguish the fire.

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

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. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

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. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Remove contaminated clothing and shoes.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.3. Specific end use(s)

Specific use(s).
No information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	United Kingdom	France	Spain	Germany
Talc 14807-96-6	-	TWA: 1 mg/m^3 STEL: 3 mg/m^3	-	TWA: 2 mg/m^3	-
Barium sulfate 7727-43-7	-	TWA: 10 mg/m^3 TWA: 4 mg/m^3 STEL: 30 mg/m^3 STEL: 12 mg/m^3	-	TWA: 10 mg/m^3	-
Quartz 14808-60-7	TWA: 0.1 mg/m^3	TWA: 0.1 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: 6 mg/m^3 TWA: 2.4 mg/m^3 STEL: 18 mg/m^3 STEL: 7.2 mg/m^3	-	-	TWA: 4 mg/m^3
Propylene glycol monomethyl ether acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m^3 STEL: 100	TWA: 50 ppm TWA: 274 mg/m^3 STEL: 100 ppm STEL: 548 mg/m^3	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	TWA: 50 ppm TWA: 270 mg/m^3

	ppm STEL: 550 mg/m³ *	Sk*	*	vía dérmica*	
C.I. Pigment Blue 15 147-14-8	-	-	-	TWA: 0.1 mg/m³	-
Diisobutyl ketone 108-83-8	-	TWA: 25 ppm TWA: 148 mg/m³ STEL: 75 ppm STEL: 444 mg/m³	TWA: 25 ppm TWA: 250 mg/m³	TWA: 25 ppm TWA: 148 mg/m³	-
Cumene 98-82-8	TWA: 20 ppm TWA: 100 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ *	TWA: 25 ppm TWA: 125 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*	TWA: 20 ppm TWA: 100 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ *	TWA: 20 ppm TWA: 100 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ vía dérmica*	TWA: 10 ppm TWA: 50 mg/m³ H*
2,6-Di-tert-butyl-p-cresol 128-37-0	-	TWA: 10 mg/m³ STEL: 30 mg/m³	TWA: 10 mg/m³	TWA: 10 mg/m³	TWA: 10 mg/m³
2-Methoxypropyl-1-acetate 70657-70-4	-	-	-	TWA: 5 ppm TWA: 28 mg/m³ STEL: 40 ppm STEL: 220 mg/m³	TWA: 5 ppm TWA: 28 mg/m³ H*
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Talc 14807-96-6	-	TWA: 2 mg/m³	TWA: 0.25 mg/m³	TWA: 0.5 fiber/cm3 TWA: 2 mg/m³ TWA: 1 mg/m³	TWA: 0.3 fiber/cm3
Barium sulfate 7727-43-7	-	TWA: 5 mg/m³	-	-	-
Quartz 14808-60-7	-	TWA: 0.025 mg/m³	TWA: 0.075 mg/m³	TWA: 0.05 mg/m³	TWA: 0.3 mg/m³ TWA: 0.1 mg/m³
Silicon dioxide 7631-86-9	-	-	TWA: 0.75 mg/m³	TWA: 5 mg/m³	-
Propylene glycol monomethyl ether acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ pelle*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ P*	TWA: 550 mg/m³	TWA: 50 ppm TWA: 270 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ iho*	TWA: 50 ppm TWA: 275 mg/m³ H*
C.I. Pigment Blue 15 147-14-8	-	-	-	TWA: 0.02 mg/m³	-
Diisobutyl ketone 108-83-8	-	TWA: 25 ppm	-	TWA: 25 ppm TWA: 150 mg/m³ STEL: 40 ppm STEL: 240 mg/m³	TWA: 25 ppm TWA: 150 mg/m³
Cumene 98-82-8	TWA: 20 ppm TWA: 100 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ pelle*	TWA: 20 ppm TWA: 100 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ P*	TWA: 100 mg/m³ STEL: 250 mg/m³ H*	TWA: 20 ppm TWA: 100 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ iho*	TWA: 20 ppm TWA: 100 mg/m³ H*
2,6-Di-tert-butyl-p-cresol 128-37-0	-	TWA: 2 mg/m³	-	TWA: 10 mg/m³ STEL: 20 mg/m³	TWA: 10 mg/m³
2-Methoxypropyl-1-acetate	-	-	-	-	TWA: 20 ppm

70657-70-4					TWA: 110 mg/m³
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Talc 14807-96-6	TWA: 2 mg/m³	TWA: 2 mg/m³	TWA: 4 mg/m³ TWA: 1 mg/m³	TWA: 6 mg/m³ TWA: 2 mg/m³ STEL: 12 mg/m³ STEL: 4 mg/m³	TWA: 10 mg/m³ TWA: 0.8 mg/m³ STEL: 30 mg/m³ STEL: 2.4 mg/m³
Barium sulfate 7727-43-7	-	-	-	TWA: 0.5 mg/m³ STEL: 1.5 mg/m³	TWA: 5 mg/m³ STEL: 15 mg/m³
Quartz 14808-60-7	TWA: 0.15 mg/m³	TWA: 0.15 mg/m³	TWA: 0.1 mg/m³	TWA: 0.3 mg/m³ TWA: 0.1 mg/m³ STEL: 0.9 mg/m³ STEL: 0.3 mg/m³	TWA: 0.1 mg/m³ STEL: 0.3 mg/m³
Silicon dioxide 7631-86-9	TWA: 4 mg/m³	-	-	TWA: 1.5 mg/m³ STEL: 3 mg/m³	TWA: 6 mg/m³ TWA: 2.4 mg/m³ STEL: 18 mg/m³ STEL: 7.2 mg/m³
Silica, amorphous, fumed, crystal-free 112945-52-5	TWA: 4 mg/m³	-	-	-	-
Propylene glycol monomethyl ether acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m³ STEL 100 ppm STEL 550 mg/m³ H*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 50 ppm STEL: 275 mg/m³	STEL: 520 mg/m³ TWA: 260 mg/m³ *	TWA: 50 ppm TWA: 270 mg/m³ STEL: 75 ppm STEL: 337.5 mg/m³ H*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ Sk*
C.I. Pigment Blue 15 147-14-8	TWA: 1 mg/m³ TWA: 0.1 mg/m³ STEL 4 mg/m³ STEL 0.4 mg/m³	-	-	-	-
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: 50 ppm TWA: 290 mg/m³	TWA: 25 ppm TWA: 150 mg/m³	STEL: 300 mg/m³ TWA: 150 mg/m³	TWA: 20 ppm TWA: 120 mg/m³ STEL: 30 ppm STEL: 150 mg/m³	TWA: 25 ppm TWA: 150 mg/m³ STEL: 75 ppm STEL: 450 mg/m³
Cumene 98-82-8	TWA: 20 ppm TWA: 100 mg/m³ STEL 50 ppm STEL 250 mg/m³ H*	TWA: 20 ppm TWA: 100 mg/m³ STEL: 80 ppm STEL: 400 mg/m³ H*	STEL: 250 mg/m³ TWA: 50 mg/m³ *	TWA: 20 ppm TWA: 100 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ H*	TWA: 20 ppm TWA: 100 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*
2,6-Di-tert-butyl-p-cresol 128-37-0	TWA: 10 mg/m³	TWA: 10 mg/m³ STEL: 40 mg/m³	-	-	TWA: 2 mg/m³ STEL: 6 mg/m³
2-Methoxypropyl-1-acetate 70657-70-4	TWA: 20 ppm TWA: 110 mg/m³ STEL 80 ppm STEL 440 mg/m³ H*	TWA: 5 ppm TWA: 28 mg/m³ STEL: 40 ppm STEL: 224 mg/m³ H*	STEL: 200 mg/m³ TWA: 100 mg/m³	TWA: 20 ppm TWA: 110 mg/m³ STEL: 30 ppm STEL: 137.5 mg/m³ H*	-

Biological occupational exposure limits

Chemical name	European Union	United Kingdom	France	Spain	Germany
Cumene 98-82-8	-	-	-	-	10 mg/g Creatinine - urine (2-Phenyl-2-propanol (after hydrolysis)) - end of shift
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Quartz 14808-60-7	- () -	-	-	-	-
Cumene 98-82-8	-	20 mg/g creatinine - urine (2-Phenyl-2-propanol after hydrolysis) - end of shift	-	-	-

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

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.

Skin and body protection Wear suitable protective 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. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

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
pH	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	78 °C	
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour pressure	No data available	None known
Vapour density	No data available	None known
Relative density	1.38	
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No information available.	
Oxidising properties	No information available.	

9.2. Other information

VOC Content (%)	No information available
VOC	236 g/l
Liquid Density	No information available
Bulk density	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 toxicological effects

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. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). 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.

Numerical measures of toxicity

Based on available data, the classification criteria are not met

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
2-(2-ethoxyethoxy)ethyl acetate	= 11 g/kg (Rat)	= 15.1 mL/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
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)	-
C.I. Pigment Blue 15	> 10000 mg/kg (Rat)	-	-
Diisobutyl ketone	= 5750 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 Classification based on data available for ingredients. May cause sensitisation by skin contact.

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

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
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	Repr. 2
Titanium, bis(.eta.5-2,4-cyclopentadien-1-yl)bis[2,6-difluoro-3-(1H-pyrrol-1-yl)phenyl]-	Repr. 2
2-Methoxypropyl-1-acetate	Repr. 1B

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Talc	-	LC50: >100g/L (96h,	-	-

		Brachydanio rerio)		
Silicon dioxide	EC50: =440mg/L (72h, Pseudokirchneriella subcapitata)	LC50: =5000mg/L (96h, Brachydanio rerio)	-	EC50: =7600mg/L (48h, Ceriodaphnia dubia)
Petroleum naphtha, light aromatic	-	LC50: =9.22mg/L (96h, Oncorhynchus mykiss)	-	EC50: =6.14mg/L (48h, Daphnia magna)
Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-	-	LC50: >90µg/L (96h, Danio rerio)	-	-
Propylene glycol monomethyl ether acetate	-	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]-	-	LC50: >100mg/L (96h, Danio rerio)	-	-
Diisobutyl ketone	EC50: =100mg/L (96h, Pseudokirchneriella subcapitata)	LC50: =140mg/L (96h, Oncorhynchus mykiss)	-	-
Cumene	EC50: =2.6mg/L (72h, Pseudokirchneriella subcapitata)	LC50: 6.04 - 6.61mg/L (96h, Pimephales promelas) LC50: =2.7mg/L (96h, Oncorhynchus mykiss) LC50: =4.8mg/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: 7.9 - 14.1mg/L (48h, Daphnia magna) EC50: =0.6mg/L (48h, Daphnia magna)
2,6-Di-tert-butyl-p-cresol	EC50: >0.42mg/L (72h, Desmodesmus subspicatus) EC50: =6mg/L (72h, Pseudokirchneriella subcapitata)	-	-	-

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient
Propylene glycol monomethyl ether acetate	0.43
C.I. Pigment Blue 15	6.6
Cumene	3.7
2,6-Di-tert-butyl-p-cresol	4.17

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	The substance is not PBT / vPvB
Talc	The substance is not PBT / vPvB
Barium sulfate	The substance is not PBT / vPvB PBT assessment does not apply
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	The substance is not PBT / vPvB
Silicon dioxide	The substance is not PBT / vPvB PBT assessment does not apply
Petroleum naphtha, light aromatic	The substance is not PBT / vPvB
Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-	The substance is not PBT / vPvB
Propylene glycol monomethyl ether acetate	The substance is not PBT / vPvB
C.I. Pigment Blue 15	The substance is not PBT / vPvB PBT assessment does not apply
Diisobutyl ketone	The substance is not PBT / vPvB
Cumene	The substance is not PBT / vPvB
2,6-Di-tert-butyl-p-cresol	The substance is not PBT / vPvB

12.6. 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 Empty containers should be taken to an approved waste handling site for recycling or disposal.

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

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 Marine pollutant Not applicable
14.6 Special Precautions for Users
Special Provisions None
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code No information available

RID

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
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

IATA
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 **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	Title
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 108-83-8	RG 84	-
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)

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.	
2-Methoxypropyl-1-acetate - 70657-70-4	30.	

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AICS	Contact supplier for inventory compliance status

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

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
H226 - Flammable liquid and vapour
H228 - Flammable solid
H304 - May be fatal if swallowed and enters airways
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H350i - May cause cancer by inhalation
H361f - Suspected of damaging fertility
H373 - May cause damage to organs through prolonged or repeated exposure
H411 - Toxic to aquatic life with long lasting effects
H413 - May cause long lasting harmful effects to aquatic life

Legend
SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Key literature references and sources for data used to compile the SDS
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
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

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

Disclaimer
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End of Safety Data Sheet