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

Revision Date 27-Jul-2023 **Version** 1

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

1.1. Product identifier

Product Code 101380

Product Name EVERCOAT OPTEX FILLER EU

Other means of identification

Unique Formula Identifier (UFI) MSU2-60H0-800F-TRND

Pure substance/mixture Mixture
Contains Styrene , Crystalline Silica (Quartz)

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

Recommended Use Filler. For professional use only.

Uses advised against Uses other than recommended use.

1.3. Details of the supplier of the safety data sheet

Importer
INDASA PT
P.O. Box 3005
3801-101 Aveiro, Portugal
Telephone: +(351) 234 303 600

Manufacturer
ITW Evercoat
6600 Cornell Road
Cincinnati, Ohio 45242
Telephone: 513-489-7600

Only Representative (OR)
ITW Performance Polymers
Bay 150
Shannon Industrial Estate
Co. Clare
Ireland
V14 DF82
353(61)771500
353(61)471285
customerservice.shannon@itwpp.com

For further information, please contact

E-mail address: Info@evercoat.com

Non-Emergency Telephone Number +1 (513) 489-7600 or (800) 729-7600

1.4. Emergency telephone number

24-hour emergency phone number CHEMTREC: 1-800-424-9300
INTERNATIONAL: 1-703-527-3887

24-hour emergency phone number - §45 - (EC)1272/2008	
Europe	**112**
Austria	01 406 43 43
Belgium	070 245 245
Denmark	+ 45 8212 1212
Finland	0800 147 111/ 09 471 977
France	+33 (0)1 45 42 59 59
Germany	112 / 16117
Ireland	01 809 2166
Italy	0382-24444
Netherlands	+31 (0)88 755 8000

Norway	22 59 13 00
Poland	112
Portugal	+351 800 250 250
Slovenia	112
Spain	+34 91 562 04 20
Sweden	112
Switzerland	145
United Kingdom	111
Bulgaria	+359 2 9154 233
Croatia	+3851 2348 342
Cyprus	1401
Czech Republic	+420 224 919 293/ +420 224 915 402
Estonia	16662/ (+372) 7943 794
Greece	(003) 2107793777
Hungary	+36 80 201 199
Iceland	543 2222
Latvia	+371 67042473
Liechtenstein	01 406 43 43
Lithuania	+370 (85) 2362052
Luxembourg	(+352) 8002 5500
Romania	+40213183606
Slovakia	+421 2 5477 4166
Malta	112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Flammable liquids	Category 3 - (H226)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Carcinogenicity	Category 1A - (H350)
Reproductive toxicity	Category 2 - (H361)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Specific target organ toxicity (repeated exposure)	Category 1 - (H372)

2.2. Label elements

Contains Styrene , Crystalline Silica (Quartz)

Signal word

Danger

Hazard statements

H226 - Flammable liquid and vapor
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H350 - May cause cancer
H361d - Suspected of damaging the unborn child
H372 - Causes damage to organs through prolonged or repeated exposure
EUH208 - Contains Tetrahydrophthalic Anhydride May produce an allergic reaction.

Precautionary Statements - EU (§28, 1272/2008)

P201 - Obtain special instructions before use.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish.
P391 - Collect spillage.

Unknown acute toxicity

17.58726 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
17.58726 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
17.58726 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Additional information

This product requires child resistant fastenings if supplied to the general public. This product requires tactile warnings if supplied to the general public.

2.3. Other hazards

No information available.

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 No.	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Styrene 100-42-5	10 - 30	01-2119457861-32-XXXX	202-851-5	Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Repr. 2 (H361d) STOT SE 3 (H335) STOT RE 1 (H372) Flam. Liq. 3 (H226) Aquatic Chronic 3 (H412)	::	-	-
Glycol ether PM acetate 108-65-6	1 - 5	-	203-603-9	Flam. Liq. 3 (H226)	-	-	-
Titanium Dioxide 13463-67-7	<1	01-2119489379-17-XXXX	236-675-5	Carc. 2 (H351i)	-	-	-
Tetrahydrophthalic Anhydride 85-43-8	0.1 - 1	01-2119486679-14-XXXX	201-605-4	Eye Dam. 1 (H318) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) Aquatic Chronic 3	-	-	-

				(H412)			
Crystalline Silica (Quartz) 14808-60-7	0.1 - 1	[4]	238-878-4	Carc. 1A (H350)	-	-	-
Synthetic Amorphous Crystalline-Free Silica 7631-86-9	0.1 - 1	[4]	231-545-4	[C]	-	-	-

The substance does not require registration according to REACH - Notes
NOTE [4] - This substance is exempted from registration according to the provisions of Article 2(7)(a) and Annex IV of REACH
Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes
[C] - Components with occupational exposure limits and/or biological occupational exposure limits requiring monitoring

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 - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Styrene 100-42-5	1000	2000	11.7	No data available	No data available
Glycol ether PM acetate 108-65-6	8532	5000	24	No data available	No data available
Titanium Dioxide 13463-67-7	10000	No data available	5.09	No data available	No data available
Tetrahydrophthalic Anhydride 85-43-8	5410	2000	No data available	No data available	No data available
Synthetic Amorphous Crystalline-Free Silica 7631-86-9	7900	5000	58.8	No data available	No data available

+ This value is the harmonised acute toxicity estimate (ATE) listed in CLP Annex VI, Part 3. This harmonised ATE value must be used when calculating the acute toxicity estimate (ATEmix) for classifying a mixture containing the listed substance

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

Inhalation Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.

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

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.

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. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing.

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

Symptoms May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

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

Effects of Exposure None. Contains a known or suspected mutagen. Causes damage to organs.

Note to physicians Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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 Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other information Ventilate the area. 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 Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

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. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other

non-combustible material and transfer to containers 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 labeled 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 Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Take off contaminated clothing and wash before reuse. In case of insufficient ventilation, wear suitable respiratory equipment.

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

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 labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Styrene 100-42-5	-	TWA: 20 ppm TWA: 85 mg/m³ STEL 80 ppm STEL 340 mg/m³	TWA: 25 ppm TWA: 108 mg/m³ STEL: 80 ppm STEL: 346 mg/m³ *	STEL: 215.0 mg/m³ TWA: 85.0 mg/m³	TWA: 100 ppm TWA: 430 mg/m³ STEL: 250 ppm STEL: 1080 mg/m³ K*
Glycol ether PM acetate 108-65-6	TWA 50 ppm TWA 275 mg/m³ STEL 100 ppm STEL 550 mg/m³ *	TWA: 50 ppm TWA: 275 mg/m³ STEL 100 ppm STEL 550 mg/m³ H*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ *	STEL: 100 ppm STEL: 550.0 mg/m³ TWA: 50 ppm TWA: 275.0 mg/m³ K*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ K*
Titanium Dioxide	-	TWA: 5 mg/m³	TWA: 10 mg/m³	TWA: 10.0 mg/m³	TWA: 10 mg/m³

13463-67-7		STEL 10 mg/m³		TWA: 1.0 mg/m³	TWA: 4 mg/m³
Crystalline Silica (Quartz) 14808-60-7	TWA 0.1 mg/m³ respirable fraction	TWA: 0.05 mg/m³	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³
Synthetic Amorphous Crystalline-Free Silica 7631-86-9	TWA 0.1 mg/m³ respirable fraction	TWA: 4 mg/m³	-	TWA: 0.1 mg/m³	-
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Styrene 100-42-5	-	TWA: 100 mg/m³ Ceiling: 400 mg/m³ *	Ceiling: 25 ppm Ceiling: 105 mg/m³ H*	TWA: 20 ppm TWA: 90 mg/m³ STEL: 50 ppm STEL: 200 mg/m³ A*	TWA: 20 ppm TWA: 86 mg/m³ STEL: 100 ppm STEL: 430 mg/m³
Glycol ether PM acetate 108-65-6	* STEL: 100 ppm STEL: 550 mg/m³ TWA: 50 ppm TWA: 275 mg/m³	TWA: 270 mg/m³ Ceiling: 550 mg/m³ *	TWA: 50 ppm TWA: 275 mg/m³ H*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ A*	TWA: 50 ppm TWA: 270 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ iho*
Titanium Dioxide 13463-67-7	-	-	TWA: 6 mg/m³	TWA: 5 mg/m³	-
Crystalline Silica (Quartz) 14808-60-7	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³	TWA: 0.3 mg/m³ TWA: 0.1 mg/m³	TWA: 0.1 mg/m³	TWA: 0.05 mg/m³ TWA: 0.1 mg/m³
Synthetic Amorphous Crystalline-Free Silica 7631-86-9	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³ TWA: 4.0 mg/m³	-	TWA: 2 mg/m³	TWA: 5 mg/m³ TWA: 0.05 mg/m³ TWA: 0.1 mg/m³
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Styrene 100-42-5	TWA: 23.3 ppm TWA: 100 mg/m³ TWA: 1000 mg/m³ STEL: 46.6 ppm STEL: 200 mg/m³ STEL: 1500 mg/m³ *	TWA: 20 ppm TWA: 86 mg/m³	TWA: 20 ppm TWA: 86 mg/m³ Ceiling / Peak: 40 ppm Ceiling / Peak: 172 mg/m³	TWA: 100 ppm TWA: 425 mg/m³ STEL: 250 ppm STEL: 1050 mg/m³	TWA: 86 mg/m³ STEL: 50 mg/m³
Glycol ether PM acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ *	TWA: 50 ppm TWA: 270 mg/m³	TWA: 50 ppm TWA: 270 mg/m³ Ceiling / Peak: 50 ppm Ceiling / Peak: 270 mg/m³	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ skin - potential for cutaneous absorption	TWA: 275 mg/m³ STEL: 550 mg/m³
Titanium Dioxide 13463-67-7	TWA: 10 mg/m³	TWA: 1.25 mg/m³ TWA: 10 mg/m³	TWA: 0.3 mg/m³ Ceiling / Peak: 2.4 mg/m³	TWA: 10 mg/m³ TWA: 5 mg/m³	-
Crystalline Silica (Quartz) 14808-60-7	TWA: 0.1 mg/m³	-	-	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³
Synthetic Amorphous Crystalline-Free Silica 7631-86-9	-	TWA: 4 mg/m³	TWA: 4 mg/m³	TWA: 0.1 mg/m³	-
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Styrene 100-42-5	TWA: 85 mg/m³ TWA: 20 ppm STEL: 40 ppm STEL: 170 mg/m³	-	TWA: 20 ppm TWA: 85 mg/m³ STEL: 40 ppm STEL: 170 mg/m³	TWA: 10 mg/m³ STEL: 30 mg/m³	* TWA: 20 ppm TWA: 90 mg/m³ TWA: 10 ppm STEL: 50 ppm STEL: 200 mg/m³
Glycol ether PM acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ Sk*	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 *	* TWA: 50 ppm TWA: 250 mg/m³ STEL: 75 ppm STEL: 400 mg/m³
Titanium Dioxide 13463-67-7	TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³	-	TWA: 10 mg/m³	TWA: 10 mg/m³	TWA: 5 mg/m³
Crystalline Silica (Quartz)	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³	TWA: 0.025 mg/m³	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³

14808-60-7	STEL: 0.3 mg/m³				
Synthetic Amorphous Crystalline-Free Silica 7631-86-9	TWA: 6 mg/m³ TWA: 2.4 mg/m³ STEL: 18 mg/m³ STEL: 7.2 mg/m³	TWA: 0.1 mg/m³	-	TWA: 1 mg/m³ TWA: 0.1 mg/m³	-
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Styrene 100-42-5	-	-	-	TWA: 25 ppm TWA: 105 mg/m³ STEL: 37.5 ppm STEL: 131.25 mg/m³	STEL: 100 mg/m³ TWA: 50 mg/m³
Glycol ether PM acetate 108-65-6	* STEL: 100 ppm STEL: 550 mg/m³ TWA: 50 ppm TWA: 275 mg/m³	* 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
Titanium Dioxide 13463-67-7	-	-	-	TWA: 5 mg/m³ STEL: 10 mg/m³	STEL: 30 mg/m³ TWA: 10 mg/m³
Crystalline Silica (Quartz) 14808-60-7	-	-	TWA: 0.075 mg/m³ TWA: 0.75 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
Synthetic Amorphous Crystalline-Free Silica 7631-86-9	-	-	TWA: 0.75 mg/m³	TWA: 1.5 mg/m³ STEL: 3 mg/m³	-
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Styrene 100-42-5	TWA: 20 ppm STEL: 40 ppm	TWA: 12 ppm TWA: 50 mg/m³ STEL: 35 ppm STEL: 150 mg/m³	TWA: 20 ppm TWA: 86 mg/m³	TWA: 20 ppm TWA: 86 mg/m³ 40: STEL ppm 172: STEL mg/m³	TWA: 20 ppm TWA: 86 mg/m³ STEL: 40 ppm STEL: 172 mg/m³
Glycol ether PM acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ P*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ P*	TWA: 50 ppm TWA: 275 mg/m³ K*	TWA: 50 ppm TWA: 275 mg/m³ 100: STEL ppm 550: STEL mg/m³ K*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ vía dérmica*
Titanium Dioxide 13463-67-7	TWA: 10 mg/m³	TWA: 10 mg/m³ STEL: 15 mg/m³	TWA: 5 mg/m³	-	TWA: 10 mg/m³
Crystalline Silica (Quartz) 14808-60-7	TWA: 0.025 mg/m³ TWA: 0.05 mg/m³ TWA: 0.1 mg/m³	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³ STEL: 0.5 mg/m³	-	TWA: 0.05 mg/m³
Synthetic Amorphous Crystalline-Free Silica 7631-86-9	TWA: 0.05 mg/m³ TWA: 0.1 mg/m³	-	-	TWA: 4 mg/m³	-

Chemical name	Sweden	Switzerland	United Kingdom
Styrene 100-42-5	NGV: 10 ppm NGV: 43 mg/m³ Vägledande KGV: 20 ppm Vägledande KGV: 86 mg/m³ *	TWA: 20 ppm TWA: 85 mg/m³ STEL: 40 ppm STEL: 170 mg/m³	TWA: 100 ppm TWA: 430 mg/m³ STEL: 250 ppm STEL: 1080 mg/m³
Glycol ether PM acetate 108-65-6	NGV: 50 ppm NGV: 275 mg/m³ Bindande KGV: 100 ppm Bindande KGV: 550 mg/m³ *	TWA: 50 ppm TWA: 275 mg/m³ STEL: 50 ppm STEL: 275 mg/m³	TWA: 50 ppm TWA: 274 mg/m³ STEL: 100 ppm STEL: 548 mg/m³ Sk*
Titanium Dioxide 13463-67-7	NGV: 5 mg/m³	TWA: 3 mg/m³	TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³
Tetrahydrophthalic Anhydride 85-43-8	: 0.005 mg/m³ Sensitizer	-	-
Crystalline Silica (Quartz) 14808-60-7	NGV: 0.1 mg/m³	TWA: 0.15 mg/m³	TWA: 0.1 mg/m³
Synthetic Amorphous Crystalline-Free Silica	-	TWA: 4 mg/m³	TWA: 6 mg/m³ TWA: 2.4 mg/m³

7631-86-9			TWA: 0.1 mg/m³ STEL: 18 mg/m³ STEL: 7.2 mg/m³

Biological occupational exposure limits

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
Styrene 100-42-5	-	-	600 mg/g Creatinine - urine (Mandelic acid and Phenylglyoxylic acid - total) - at the end of exposure or end of work shift, in remote exposure - after several work shifts	20.0 µg/L - blood (Styrene) - about 16 hours after completion of the work shift 1.0 g/g Creatinine - urine (Mandelic acid) - at the end of the work shift 240 mg/g Creatinine - urine (Phenylglyoxylic acid) - at the end of the work shift 600 mg/g Creatinine - urine (Mandelic acid and Phenylglyoxylic acid) - at the end of the work shift; at chronic exposure in the middle of the working week	300 µmol/mmol Creatinine (urine - Mandelic acid end of shift) 400 mg/g Creatinine (urine - Mandelic acid end of shift) 600 mg/g Creatinine (urine - Mandelic and Phenylglyoxylic acid end of shift)
Crystalline Silica (Quartz) 14808-60-7	-	(-)	-	-	-

Chemical name	Denmark	Finland	France	Germany DFG	Germany TRGS
Styrene 100-42-5	-	1.2	-	600 mg/g Creatinine (urine - Mandelic acid plus Phenylglyoxylic acid end of shift) 600 mg/g Creatinine (urine - Mandelic acid plus Phenylglyoxylic acid for long-term exposures: at the end of the shift after several shifts) 600 mg/g Creatinine - BAT (end of exposure or end of shift) urine 600 mg/g Creatinine - BAT (for long-term exposures: at the end of the shift after several shifts) urine	600 mg/g Creatinine

Chemical name	Hungary	Ireland	Italy MDLPS	Italy AIDII
Styrene 100-42-5	600 mg/g Creatinine (urine - Mandelic acid at end of workweek, end of shift) 450 µmol/mmol Creatinine (urine - Mandelic acid at end of	400 mg/g Creatinine (urine - Mandelic acid plus Phenylglyoxylic acid end of shift) 0.2 mg/L (venous blood - Styrene end of shift)	-	40 µg/L - urine (Styrene) - end of shift 400 mg/g Creatinine - urine (Mandelic acid plus Phenylglyoxylic acid) - end of shift

	workweek, end of shift)			
Chemical name	Latvia	Luxembourg	Romania	Slovakia
Styrene 100-42-5	0.8 g/g Creatinine - urine (Mandelic acid) - end of shift 0.55 mg/L - blood (Styrene) - end of shift	-	800 mg/g Creatinine - urine (Mandelic acid) - end of shift 300 mg/g Creatinine - urine (Mandelic acid) - beginning of next shift 100 mg/g Creatinine - urine (Phenylglyoxylic acid) - end of shift 0.55 mg/L - blood (Styrene) - end of shift 0.02 mg/L - blood (Styrene) - beginning of next shift	600 mg/g creatinine (urine - Mandelic acid and Phenylglycolic acid after all work shifts) 600 mg/g creatinine (urine - Mandelic acid and Phenylglycolic acid end of exposure or work shift)
Chemical name	Slovenia	Spain	Switzerland	United Kingdom
Styrene 100-42-5	600 mg/g Creatinine - urine (Mandelic acid and Phenylglyoxylic acid) - at the end of the work shift; for long-term exposure: at the end of the work shift after several consecutive workdays	400 0.2	600	-

8.2. Exposure controls

Derived No Effect Level (DNEL) - Workers No information available

Derived No Effect Level (DNEL) - General Public No information available.

Predicted No Effect Concentration (PNEC) No information available.

Personal protective equipment

Eye/face protection Eye protection must conform to standard EN 166. Tight sealing safety goggles.

Hand protection Gloves must conform to standard EN 374. Wear suitable gloves. Impervious gloves.

gloves			
Duration of contact	PPE - Glove material	Glove thickness	Break through time
	Wear protective nitrile rubber gloves, Neoprene gloves, Polyvinyl alcohol, Viton™	0.4 mm	<8 Hours

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

Respiratory protection Respirator must conform to standard EN 14387.

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

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Pink, paste.
Color	pink
Odor	Aromatic
Odor threshold	No information available

Property	**Values**	**Remarks • Method**
Melting point / freezing point	No data available	None known
Boiling point / boiling range	145 °C	
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Flash point	32 °C	
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	97363.1 mm2/s	None known
Dynamic viscosity	No data available	
Water solubility	No data available	None known
Solubility(ies)	No Data Available	None known
Partition coefficient	No Data Available	None known
Vapor pressure	No Data Available	None known
Relative density	No data available	None known
Bulk density	No data available	
Density	1086.82 g/L	
Vapor density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	
VOC content	40.7 g/L	2004/42/IIB (b) (250)

9.2. Other information 40.7 g/L

9.2.1. Information with regard to physical hazard classes

Flammable liquids 32 °C

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous Decomposition Products None known based on information supplied.

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. May cause drowsiness or dizziness. (based on components).

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 Repeated exposure may cause skin dryness or cracking. Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

Ingestion Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. (based on components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Numerical measures of toxicity

Acute toxicity

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

ATEmix (oral) 28,133.80 mg/kg
ATEmix (dermal) 178,052.20 mg/kg
ATEmix (inhalation-dust/mist) 853.80 mg/l
ATEmix (inhalation-vapor) 62.50 mg/l

Unknown acute toxicity

17.58726 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
17.58726 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
17.58726 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Styrene	= 1000 mg/kg (Rat)	> 2000 mg/kg (Rat)	= 11.7 mg/L (Rat) 4 h
Glycol ether PM acetate	= 8532 mg/kg (Rat)	> 5 g/kg (Rabbit)	= 16000 mg/m^3 (Rat) 6 h
Titanium Dioxide	> 10000 mg/kg (Rat)	-	= 5.09 mg/L (Rat) 4 h
Tetrahydrophthalic Anhydride	= 5410 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Synthetic Amorphous	= 7900 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 58.8 mg/L (Rat) 4 h

Crystalline-Free Silica			

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

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation. May cause skin irritation.

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

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

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
Titanium Dioxide	Carc. 2
Crystalline Silica (Quartz)	1A

Reproductive toxicity Classification based on data available for ingredients. Suspected of damaging 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
Styrene	Repr. 2

STOT - single exposure May cause respiratory irritation.

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure.

H372 - Causes damage to the following organs through prolonged or repeated exposure: hearing organs.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity The environmental impact of this product has not been fully investigated.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Styrene	0.15 - 3.2: 96 h	19.03 - 33.53: 96 h	-	3.3 - 7.4: 48 h Daphnia

	Pseudokirchneriella subcapitata mg/L EC50 static 0.46 - 4.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 0.72: 96 h Pseudokirchneriella subcapitata mg/L EC50 1.4: 72 h Pseudokirchneriella subcapitata mg/L EC50	Lepomis macrochirus mg/L LC50 static 3.24 - 4.99: 96 h Pimephales promelas mg/L LC50 flow-through 58.75 - 95.32: 96 h Poecilia reticulata mg/L LC50 static 6.75 - 14.5: 96 h Pimephales promelas mg/L LC50 static		magna mg/L EC50
Glycol ether PM acetate	-	161: 96 h Pimephales promelas mg/L LC50 static	-	500: 48 h Daphnia magna mg/L EC50
Tetrahydrophthalic Anhydride	65.7: 72 h Desmodesmus subspicatus mg/L EC50	100: 96 h Oncorhynchus mykiss mg/L LC50 static	-	-
Synthetic Amorphous Crystalline-Free Silica	440: 72 h Pseudokirchneriella subcapitata mg/L EC50	5000: 96 h Brachydanio rerio mg/L LC50 static	-	7600: 48 h Ceriodaphnia dubia mg/L EC50

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation No information available.

Component Information

Chemical name	Partition coefficient
Styrene	2.95
Glycol ether PM acetate	0.43

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

Chemical name	PBT and vPvB assessment
Styrene	The substance is not PBT / vPvB
Glycol ether PM acetate	The substance is not PBT / vPvB
Titanium Dioxide	The substance is not PBT / vPvB
Tetrahydrophthalic Anhydride	The substance is not PBT / vPvB
Synthetic Amorphous Crystalline-Free Silica	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

SECTION 14: Transport information

Note: This information is not intended to convey all specific regulatory information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

IATA

14.1 UN number or ID number	UN3269
14.2 Proper shipping name	Polyester Resin Kit
14.3 Transport hazard class(es)	3
14.4 Packing group	III
Description	UN3269, Polyester Resin Kit, 3, III
14.5 Environmental hazard	No
14.6 Special precautions for user	

IMDG

14.1 UN number or ID number	UN3269
14.2 Proper shipping name	Polyester Resin Kit
14.3 Transport hazard class(es)	3
14.4 Packing Group	III
Description	UN3269, Polyester Resin Kit, 3, III
14.5 Environmental hazard	No
14.6 Special precautions for user	
14.7 Maritime transport in bulk according to IMO instruments	

RID

14.1 UN/ID No	UN3269
14.2 Proper shipping name	Polyester Resin Kit
14.3 Transport hazard class(es)	3
14.4 Packing Group	III
Description	UN3269, Polyester Resin Kit, 3, III
14.5 Environmental hazard	No
14.6 Special precautions for user	

ADR

14.1 UN number or ID number	UN3269
14.2 Proper shipping name	Polyester Resin Kit
14.3 Transport hazard class(es)	3
14.4 Packing Group	III
Description	UN3269, Polyester Resin Kit, 3, III
14.5 Environmental hazard	No
14.6 Special precautions for user	
Tunnel restriction code	E

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
Styrene - 100-42-5	RG 84
Glycol ether PM acetate - 108-65-6	RG 84

Crystalline Silica (Quartz) - 14808-60-7	RG 25
Synthetic Amorphous Crystalline-Free Silica - 7631-86-9	RG 25

Germany

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

Netherlands

Carcinogenic, mutagenic and reproductive toxic effects

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins
Styrene	-	-	Development Category 2
Crystalline Silica (Quartz)	Present	-	-

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.

Authorizations 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 authorization per REACH Annex XIV
Styrene - 100-42-5	75.	-
Titanium Dioxide - 13463-67-7	75.	-
Tetrahydrophthalic Anhydride - 85-43-8	75.	-

Persistent Organic Pollutants

Not applicable

Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS
P5b - FLAMMABLE LIQUIDS
P5c - FLAMMABLE LIQUIDS
E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

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)
Crystalline Silica (Quartz) - 14808-60-7	Plant protection agent

Biocidal Products Regulation (EU) No 528/2012 (BPR)

International Inventories

EINECS/ELINCS Complies

Legend:

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified 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 vapor
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation
H350 - May cause cancer
H351i - Suspected of causing cancer if inhaled
H361d - Suspected of damaging the unborn child
H372 - Causes damage to organs through prolonged or repeated exposure
H412 - Harmful to aquatic life with long lasting effects

Legend
SVHC: Substances of Very High Concern for Authorization:
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 - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
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
Agency for Toxic Substances and Disease Registry (ATSDR)
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
Australia 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 Library of Medicine’s PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Revision Date 27-Jul-2023

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

EU SDS version information - EGHS
UL release:
GHS Revision 7
2023 Q1

Europe Partial process, including GHS Wizard, NO TW

Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 1

Category 1 hearing organs.

Full text of H-Statements referred to under section 3: H226 - Flammable liquid and vapor H315 - Causes skin irritation H317 - May cause an allergic skin reaction H318 - Causes serious eye damage H319 - Causes serious eye irritation H332 - Harmful if inhaled H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 - May cause respiratory irritation H350 - May cause cancer H351i - Suspected of causing cancer if inhaled H361d - Suspected of damaging the unborn child H372 - Causes damage to organs through prolonged or repeated exposure H412 - Harmful to aquatic life with long lasting effects

Chemical name	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)
Styrene	Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Repr. 2 (H361d) STOT SE 3 (H335) STOT RE 1 (H372) Flam. Liq. 3 (H226) Aquatic Chronic 3 (H412)	::
Glycol ether PM acetate	Flam. Liq. 3 (H226)	
Titanium Dioxide	Carc. 2 (H351i)	
Tetrahydrophthalic Anhydride	Eye Dam. 1 (H318) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)	
Crystalline Silica (Quartz)	Carc. 1A (H350)	
Synthetic Amorphous Crystalline-Free Silica	[C]	

Chemical name	CAS No	French RG number
Styrene	100-42-5	RG 84
Glycol ether PM acetate	108-65-6	RG 84
Crystalline Silica (Quartz)	14808-60-7	RG 25
Synthetic Amorphous Crystalline-Free Silica	7631-86-9	RG 25

Storage class (TRGS 510) Storage class 3
VOC content