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 09-Aug-2023 **Version** 2

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

1.1. Product identifier

Product Code 104411

Product Name EVERCOAT POLYFLEX EU

Other means of identification

Unique Formula Identifier (UFI) P8U2-50CM-E00G-UQ50

Pure substance/mixture Mixture
Contains Styrene , Soda Lime Borosilicate Glass

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

Recommended Use Polyester Finishing and Blending Putty. 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
A division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, OH 45242 USA
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)
Reproductive toxicity	Category 2 - (H361)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Category 3 Respiratory irritation	
Specific target organ toxicity (repeated exposure)	Category 1 - (H372)

2.2. Label elements

Contains Styrene , Soda Lime Borosilicate Glass

Signal word

Danger

Hazard statements

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

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

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

33.74682 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
33.74682 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
12.97392 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
33.74682 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Unknown aquatic toxicity Contains 12.97392 % of components with unknown hazards to the aquatic environment.

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)
Talc (hydrous magnesium silicate) 14807-96-6	10 - 30	[4]	238-877-9	[C]	-	-	-
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)	::	-	-
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)	-	-	-
Synthetic Amorphous Silica	0.1 - 1	01-2119379499-16-XXXX	231-545-4	[C]	-	-	-

112926-00-8							
Benzenamine, N,N,4-Trimethyl 99-97-8	0.1 - 1	01-2119937766-23-XXXX	202-805-4	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT RE 2 (H373) Aquatic Chronic 3 (H412)	::	-	-
Titanium Dioxide 13463-67-7	<1	01-2119489379-17-XXXX	236-675-5	Carc. 2 (H351i)	-	-	-
Synthetic Amorphous Crystalline-Free Silica 7631-86-9	0.1 - 1	[4]	231-545-4	[C]	-	-	-
Crystalline Silica (Quartz) 14808-60-7	<0.1	[4]	238-878-4	Carc. 1A (H350)	-	-	-

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
Tetrahydrophthalic Anhydride 85-43-8	5410	2000	No data available	No data available	No data available
Benzenamine, N,N,4-Trimethyl 99-97-8	1650	2000	No data available	No data available	No data available
Titanium Dioxide 13463-67-7	10000	No data available	5.09	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 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.

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.

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

Note to physicians	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO_2). 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. 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.

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
Talc (hydrous magnesium silicate) 14807-96-6	-	TWA: 2 mg/m³	TWA: 2 mg/m³	TWA: 1.0 fiber/cm3 TWA: 6.0 mg/m³ TWA: 3.0 mg/m³	TWA: 1 mg/m³
Styrene 100-42-5	-	TWA: 20 ppm TWA: 85 mg/m³ STEL 80 ppm	TWA: 25 ppm TWA: 108 mg/m³ STEL: 80 ppm	STEL: 215.0 mg/m³ TWA: 85.0 mg/m³	TWA: 100 ppm TWA: 430 mg/m³ STEL: 250 ppm

		STEL 340 mg/m³	STEL: 346 mg/m³ *		STEL: 1080 mg/m³ K*
Synthetic Amorphous Silica 112926-00-8	-	TWA: 4 mg/m³	TWA: 10 mg/m³	TWA: 10.0 mg/m³	-
Titanium Dioxide 13463-67-7	-	TWA: 5 mg/m³ STEL 10 mg/m³	TWA: 10 mg/m³	TWA: 10.0 mg/m³ TWA: 1.0 mg/m³	TWA: 10 mg/m³ TWA: 4 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	-
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
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Talc (hydrous magnesium silicate) 14807-96-6	-	TWA: 2.0 mg/m³	TWA: 0.3 fiber/cm3	-	TWA: 0.5 fiber/cm3 TWA: 2 mg/m³ TWA: 1 mg/m³
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
Synthetic Amorphous Silica 112926-00-8	-	-	-	-	TWA: 5 mg/m³
Benzenamine, N,N,4-Trimethyl 99-97-8	-	TWA: 5 mg/m³ Ceiling: 10 mg/m³	-	-	-
Titanium Dioxide 13463-67-7	-	-	TWA: 6 mg/m³	TWA: 5 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
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
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Talc (hydrous magnesium silicate) 14807-96-6	-	TWA: 1.25 mg/m³ TWA: 10 mg/m³	-	TWA: 10 mg/m³ TWA: 2 mg/m³	TWA: 2 mg/m³
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
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	-
Synthetic Amorphous Crystalline-Free Silica 7631-86-9	-	TWA: 4 mg/m³	TWA: 4 mg/m³	TWA: 0.1 mg/m³	-
Crystalline Silica (Quartz) 14808-60-7	TWA: 0.1 mg/m³	-	-	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Talc (hydrous magnesium silicate) 14807-96-6	TWA: 10 mg/m³ TWA: 0.8 mg/m³ STEL: 30 mg/m³ STEL: 2.4 mg/m³	-	TWA: 2 mg/m³	-	TWA: 2 mg/m³ TWA: 1 mg/m³
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
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
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	-
Crystalline Silica (Quartz) 14808-60-7	TWA: 0.1 mg/m³ STEL: 0.3 mg/m³	TWA: 0.1 mg/m³	TWA: 0.025 mg/m³	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³

Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Talc (hydrous magnesium silicate) 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
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
Synthetic Amorphous Silica 112926-00-8	-	-	-	-	TWA: 10 mg/m³ TWA: 2 mg/m³
Titanium Dioxide 13463-67-7	-	-	-	TWA: 5 mg/m³ STEL: 10 mg/m³	STEL: 30 mg/m³ TWA: 10 mg/m³
Synthetic Amorphous Crystalline-Free Silica 7631-86-9	-	-	TWA: 0.75 mg/m³	TWA: 1.5 mg/m³ STEL: 3 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

Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Talc (hydrous magnesium silicate) 14807-96-6	TWA: 2 mg/m³	TWA: 2 mg/m³	-	-	TWA: 2 mg/m³
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
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
Synthetic Amorphous Crystalline-Free Silica 7631-86-9	TWA: 0.05 mg/m³ TWA: 0.1 mg/m³	-	-	TWA: 4 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

Chemical name	Sweden	Switzerland	United Kingdom
Talc (hydrous magnesium silicate) 14807-96-6	NGV: 2 mg/m³ NGV: 1 mg/m³	TWA: 3 mg/m³	TWA: 1 mg/m³ STEL: 3 mg/m³
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
Tetrahydrophthalic Anhydride 85-43-8	: 0.005 mg/m³ Sensitizer	-	-
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

Synthetic Amorphous Crystalline-Free Silica 7631-86-9	-	TWA: 4 mg/m³	TWA: 6 mg/m³ TWA: 2.4 mg/m³ TWA: 0.1 mg/m³ STEL: 18 mg/m³ STEL: 7.2 mg/m³
Crystalline Silica (Quartz) 14808-60-7	NGV: 0.1 mg/m³	TWA: 0.15 mg/m³	TWA: 0.1 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	400 mg/g Creatinine (urine - Mandelic acid plus Phenylglyoxylic acid end	-	40 µg/L - urine (Styrene) - end of shift 400 mg/g Creatinine -

	shift) 450 µmol/mmol Creatinine (urine - Mandelic acid at end of workweek, end of shift)	of shift) 0.2 mg/L (venous blood - Styrene end of shift)		urine (Mandelic acid plus Phenylglyoxylic acid) - 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 Prevent product from entering drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Gray paste
Color	Gray
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	35.3 mm2/s	None known
Dynamic viscosity	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	Insoluble	
Partition coefficient	1.36	
Vapor pressure	No Data Available	None known
Relative density	No data available	
Bulk density	No data available	
Density	1114.1 g/L	
Vapor density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	
VOC content	51.5 g/L	2004/42/IIB (b) (250)

9.2. Other information 51.5 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. (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. Causes skin irritation. (based on components). Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available. 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.

Numerical measures of toxicity

Acute toxicity

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

ATEmix (oral) 9,287.00 mg/kg
ATEmix (dermal) 39,751.90 mg/kg
ATEmix (inhalation-dust/mist) 66.40 mg/l
ATEmix (inhalation-vapor) 46.10 mg/l

Unknown acute toxicity

33.74682 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
33.74682 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
12.97392 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
33.74682 % 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
Tetrahydrophthalic Anhydride	= 5410 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Benzenamine, N,N,4-Trimethyl	= 1650 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 1400 mg/m³ (Rat) 4 h
Titanium Dioxide	> 10000 mg/kg (Rat)	-	= 5.09 mg/L (Rat) 4 h

Synthetic Amorphous Crystalline-Free Silica	= 7900 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 58.8 mg/L (Rat) 4 h

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

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 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 No information available.

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.

Unknown aquatic toxicity Contains 12.97392 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea

Talc (hydrous magnesium silicate)	-	100: 96 h Brachydanio rerio g/L LC50 semi-static	-	-
Styrene	0.15 - 3.2: 96 h 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	19.03 - 33.53: 96 h 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	-	3.3 - 7.4: 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	-	-
Benzenamine, N,N,4-Trimethyl	-	42 - 50.5: 96 h Pimephales promelas mg/L LC50 flow-through	-	-
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 There is no data for this product.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient
Styrene	2.95
Benzenamine, N,N,4-Trimethyl	2.81

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

Chemical name	PBT and vPvB assessment
Talc (hydrous magnesium silicate)	The substance is not PBT / vPvB
Styrene	The substance is not PBT / vPvB
Tetrahydrophthalic Anhydride	The substance is not PBT / vPvB
Benzenamine, N,N,4-Trimethyl	The substance is not PBT / vPvB
Titanium Dioxide	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	Not applicable
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	Not applicable
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	Not applicable
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	Not applicable
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
Talc (hydrous magnesium silicate) - 14807-96-6	RG 25
Styrene - 100-42-5	RG 84
Synthetic Amorphous Crystalline-Free Silica - 7631-86-9	RG 25
Crystalline Silica (Quartz) - 14808-60-7	RG 25

Germany

Water hazard class (WGK) obviously hazardous to water (WGK 2)

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.	-
Tetrahydrophthalic Anhydride - 85-43-8	75.	-
Titanium Dioxide - 13463-67-7	75.	-

Persistent Organic Pollutants

Not applicable

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

P5a - FLAMMABLE LIQUIDS
P5b - FLAMMABLE LIQUIDS
P5c - FLAMMABLE LIQUIDS

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 (hydrous magnesium silicate) - 14807-96-6	Plant protection agent
Crystalline Silica (Quartz) - 14808-60-7	Plant protection agent

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
H301 - Toxic if swallowed
H311 - Toxic in contact with skin
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H331 - Toxic if inhaled
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
H373 - May cause 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 09-Aug-2023

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006
Disclaimer
Illinois Tool Works Inc. believes the information contained in this data sheet is accurate as of the date compiled. However, Illinois Tool Works Inc. makes no warranty, express or implied, as to the accuracy, reliability or completeness of the information. User is responsible for evaluating whether such information or this product is fit for a particular purpose and suitable for a particular use or application. The information in this data sheet may not be valid if this product is used in combination with other products or in processes for which it was not designed. Illinois Tool Works Inc. disclaims any liability for consequential or incidental damages of any kind, including lost profits, arising from the sale or use of this product. Ensure you have the most current version of this data sheet by contacting us or reviewing our web site.

End of Safety Data Sheet

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

Europe Post GHS Wizard classification change

Specific target organ toxicity (single exposure)	Category 3
Category 3 Target organ effects: Respiratory irritation.	
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 H301 - Toxic if swallowed H311 - Toxic in contact with skin H315 - Causes skin irritation H317 - May cause an allergic skin reaction H318 - Causes serious eye damage H319 - Causes serious eye irritation H331 - Toxic if inhaled 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 H373 - May cause 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)
Talc (hydrous magnesium silicate)	[C]	
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)	::
Tetrahydrophthalic Anhydride	Eye Dam. 1 (H318) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)	
Synthetic Amorphous Silica	[C]	
Benzenamine, N,N,4-Trimethyl	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331)	::

	STOT RE 2 (H373) Aquatic Chronic 3 (H412)	
Titanium Dioxide	Carc. 2 (H351i)	
Synthetic Amorphous Crystalline-Free Silica	[C]	
Crystalline Silica (Quartz)	Carc. 1A (H350)	

Chemical name	CAS No	French RG number
Talc (hydrous magnesium silicate)	14807-96-6	RG 25
Styrene	100-42-5	RG 84
Synthetic Amorphous Crystalline-Free Silica	7631-86-9	RG 25
Crystalline Silica (Quartz)	14808-60-7	RG 25

Storage class (TRGS 510) Storage class 3

VOC content