

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

1.1. Product identifier

Trade name or designation of the mixture Half Time Filler 1/2 Gal.
 Registration number -
 Synonyms None.
 Product Code 21000
 Issue date 04-20-2015
 Version number 01

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

Identified uses Not available.
 Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name Quest Automotive Products
 Address 600 Nova Drive SE
 Massillon, OH 44646
 US
 Division Massillon
 Telephone General Assistance (330) 830-6000
 e-mail rpandrus@quest-ap.com
 Contact person Not available.

1.4. Emergency telephone number CHEMTREC (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification R10, Xn;R20, N;R51/53

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Flammable liquids	Category 3	H226 - Flammable liquid and vapor.
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Health hazards

Acute toxicity, oral	Category 4	H302 - Harmful if swallowed.
Acute toxicity, dermal	Category 4	H312 - Harmful in contact with skin.
Acute toxicity, inhalation	Category 4	H332 - Harmful if inhaled.
Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.
Carcinogenicity	Category 2	H351 - Suspected of causing cancer.
Reproductive toxicity (the unborn child)	Category 2	H361d - Suspected of damaging the unborn child.
Specific target organ toxicity - repeated exposure	Category 1	H372 - Causes damage to organs through prolonged or repeated exposure.

Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard	Category 2	H411 - Toxic to aquatic life with long lasting effects.
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Hazard summary

Physical hazards	Flammable.
Health hazards	Harmful by inhalation. Occupational exposure to the substance or mixture may cause adverse health effects.
Environmental hazards	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Specific hazards	Prolonged exposure may cause chronic effects.
Main symptoms	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: N,N-Diethylaniline, Silicon dioxide, Sodium silicate, Styrene, monomer, Titanium dioxide

Hazard pictograms



Signal word

Danger

Hazard statements

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe the mist or vapor.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301 + P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor if you feel unwell.
P330	Rinse mouth.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use appropriate media to extinguish.
P391	Collect spillage.

Storage

P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
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Supplemental label information 76,66% of the mixture consists of component(s) of unknown acute oral toxicity. 82,46% of the mixture consists of component(s) of unknown acute inhalation toxicity. 78,92% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

2.3. Other hazards None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Styrene, monomer	10 - < 20	100-42-5 202-851-5	-	601-026-00-0	
Classification:	DSD: R10, Xn;R20-48/20, Xi;R36/38-36/37/38				D
	CLP: -				D
Sodium silicate	3 - < 5	1344-09-8 215-687-4	-	-	
Classification:	DSD: Xn;R22, N;R50/53				
	CLP: -				
Titanium dioxide	3 - < 5	13463-67-7 236-675-5	-	-	
Classification:	DSD: -				
	CLP: Carc. 2;H351				
N,N-Diethylaniline	< 0,3	91-66-7 202-088-8	-	612-054-00-8	
Classification:	DSD: T;R23/24/25, R33, N;R51/53				
	CLP: -				
Silicon dioxide	< 0,2	14808-60-7 238-878-4	-	-	
Classification:	DSD: -				
	CLP: -				
1,4-Benzoquinone	< 0,1	106-51-4 203-405-2	-	606-013-00-3	M=100
Classification:	DSD: T;R23/25, Xi;R36/37/38, N;R50				
	CLP: -				

Other components below reportable levels 70 - < 80

List of abbreviations and symbols that may be used above

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

M: M-factor

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

#: This substance has been assigned Community workplace exposure limit(s).

Composition comments The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

General information

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

4.1. Description of first aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
4.2. Most important symptoms and effects, both acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
4.3. Indication of any immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards	Flammable liquid and vapor.
5.1. Extinguishing media	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising from the substance or mixture	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special fire fighting procedures	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
For emergency responders	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS.
6.2. Environmental precautions	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.
6.3. Methods and material for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Following product recovery, flush area with water. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.
6.4. Reference to other sections	For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	Ceiling	0,4 mg/m ³	
	MAK	0,1 ppm 0,4 mg/m ³ 0,1 ppm	
Silicon dioxide (CAS 7631-86-9)	MAK	4 mg/m ³	Inhalable fraction.
Silicon dioxide (CAS 14808-60-7)	MAK	0,15 mg/m ³	Respirable dust.
Styrene, monomer (CAS 100-42-5)	MAK	85 mg/m ³	
	STEL	20 ppm 340 mg/m ³ 80 ppm	
Talc (CAS 14807-96-6)	MAK	2 mg/m ³	Respirable fraction.
Titanium dioxide (CAS 13463-67-7)	MAK	5 mg/m ³	Respirable dust.
	STEL	10 mg/m ³	Respirable dust.

Belgium. Exposure Limit Values.

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	TWA	0,45 mg/m ³	
		0,1 ppm 10 mg/m ³	
Magnesium carbonate (CAS 546-93-0)	TWA	10 mg/m ³	
Silicon dioxide (CAS 7631-86-9)	TWA	10 mg/m ³	
Silicon dioxide (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable dust.
Styrene, monomer (CAS 100-42-5)	STEL	216 mg/m ³	
	TWA	100 ppm 108 mg/m ³ 25 ppm	
Talc (CAS 14807-96-6)	TWA	2 mg/m ³	
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m ³	

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	TWA	0,4 mg/m ³	

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value	Form
Magnesium carbonate (CAS 546-93-0)	TWA	1 fibers/cm3	Respirable fraction.
		8 mg/m3	Inhalable fraction.
		3 mg/m3	Respirable fraction.
Silicon dioxide (CAS 7631-86-9)	TWA	10 mg/m3	Inhalable fraction.
		0,07 mg/m3	Respirable fraction.
Silicon dioxide (CAS 14808-60-7)	TWA	0,07 mg/m3	Respirable fraction.
Styrene, monomer (CAS 100-42-5)	STEL	215 mg/m3	
Talc (CAS 14807-96-6)	TWA	85 mg/m3	
	TWA	1 fibers/cm3	Respirable fraction.
		6 mg/m3	Inhalable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Respirable dust.

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value	Form
Magnesium carbonate (CAS 546-93-0)	MAC	4 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
Silicon dioxide (CAS 7631-86-9)	MAC	6 mg/m3	Total dust.
		2,4 mg/m3	Respirable dust.
Silicon dioxide (CAS 14808-60-7)	MAC	0,1 mg/m3	
Styrene, monomer (CAS 100-42-5)	MAC	430 mg/m3	
		100 ppm	
		1080 mg/m3	
Talc (CAS 14807-96-6)	MAC	250 ppm	
		1 mg/m3	Respirable dust.
Titanium dioxide (CAS 13463-67-7)	STEL	4 mg/m3	Respirable dust.
		10 mg/m3	Total dust.

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Type	Value	Form
Silicon dioxide (CAS 7631-86-9)	TWA	2 mg/m3	
Styrene, monomer (CAS 100-42-5)	TWA	210 mg/m3	
		50 ppm	
Talc (CAS 14807-96-6)	TWA	706 part/cm3	
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	

Czech Republic. OELs. Government Decree 361

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	Ceiling	0,8 mg/m3	
	TWA	0,4 mg/m3	
Silicon dioxide (CAS 7631-86-9)	TWA	4 mg/m3	Dust.
Silicon dioxide (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.
Styrene, monomer (CAS 100-42-5)	Ceiling	400 mg/m3	
	TWA	100 mg/m3	
Talc (CAS 14807-96-6)	TWA	10 mg/m3	Total dust.
	TWA	10 mg/m3	Respirable dust.

Denmark. Exposure Limit Values

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	TLV	0,4 mg/m ³	
Silicon dioxide (CAS 14808-60-7)	TLV	0,1 ppm	Total
		0,3 mg/m ³	
Styrene, monomer (CAS 100-42-5)	Ceiling	0,1 mg/m ³	Respirable.
		105 mg/m ³	
Titanium dioxide (CAS 13463-67-7)	TLV	25 ppm 6 mg/m ³	

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	STEL	1,3 mg/m ³	
	TWA	0,3 ppm	
		0,4 mg/m ³	
Silicon dioxide (CAS 7631-86-9)	TWA	0,1 ppm	Respirable dust.
		2 mg/m ³	
Silicon dioxide (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable dust.
Styrene, monomer (CAS 100-42-5)	STEL	200 mg/m ³	
	TWA	50 ppm	
		90 mg/m ³	
Titanium dioxide (CAS 13463-67-7)	TWA	20 ppm 5 mg/m ³	

Finland. Workplace Exposure Limits

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	STEL	1,3 mg/m ³	
	TWA	0,3 ppm	
		0,45 mg/m ³	
Magnesium carbonate (CAS 546-93-0)	TWA	0,1 ppm	Dust.
		10 mg/m ³	
Silicon dioxide (CAS 14808-60-7)	TWA	0,05 mg/m ³	Respirable.
Styrene, monomer (CAS 100-42-5)	STEL	430 mg/m ³	
	TWA	100 ppm	
		86 mg/m ³	
Talc (CAS 14807-96-6)	STEL	20 ppm	Inhalable dust.
		2 ppm	Respirable.
		1 ppm	Dust.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m ³	

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	VLE	1,5 mg/m ³	
	VME	0,3 ppm	
		0,4 mg/m ³	
Magnesium carbonate (CAS 546-93-0)	VME	0,1 ppm	
		10 mg/m ³	
Silicon dioxide (CAS 14808-60-7)	VME	0,1 mg/m ³	Respirable fraction.
Styrene, monomer (CAS 100-42-5)	VME	215 mg/m ³	
		50 ppm	

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value	Form
Titanium dioxide (CAS 13463-67-7)	VME	10 mg/m3	

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value	Form
Styrene, monomer (CAS 100-42-5)	TWA	86 mg/m3	
		20 ppm	

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
Silicon dioxide (CAS 7631-86-9)	AGW	4 mg/m3	Inhalable fraction.
Styrene, monomer (CAS 100-42-5)	AGW	86 mg/m3	
		20 ppm	
Talc (CAS 14807-96-6)	AGW	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction.
Titanium dioxide (CAS 13463-67-7)	AGW	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction.

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	STEL	1,5 mg/m3	
		0,3 ppm	
		0,4 mg/m3	
Styrene, monomer (CAS 100-42-5)	STEL	0,1 ppm	
		1050 mg/m3	
		250 ppm	
Talc (CAS 14807-96-6)	TWA	425 mg/m3	
		100 ppm	
		2 mg/m3	Respirable.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	Inhalable
		5 mg/m3	Respirable.
		10 mg/m3	Inhalable

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value	Form
Silicon dioxide (CAS 14808-60-7)	TWA	0,15 mg/m3	Respirable.
Styrene, monomer (CAS 100-42-5)	STEL	50 mg/m3	
		50 mg/m3	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable.

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	TWA	0,4 mg/m3	
		0,1 ppm	
Silicon dioxide (CAS 14808-60-7)	TWA	0,3 mg/m3	Total dust.
		0,1 mg/m3	Respirable dust.
Styrene, monomer (CAS 100-42-5)	STEL	105 mg/m3	
		25 ppm	
Titanium dioxide (CAS 13463-67-7)	TWA	6 mg/m3	

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	STEL	1,2 mg/m3	
	TWA	0,3 ppm 0,4 mg/m3 0,1 ppm	
Silicon dioxide (CAS 7631-86-9)	TWA	6 mg/m3	Total inhalable dust.
Silicon dioxide (CAS 14808-60-7)	TWA	2,4 mg/m3 0,1 mg/m3	Respirable dust. Respirable dust.
Styrene, monomer (CAS 100-42-5)	STEL	170 mg/m3	
	TWA	40 ppm 85 mg/m3 20 ppm	
Talc (CAS 14807-96-6)	TWA	10 mg/m3	Total inhalable dust.
Titanium dioxide (CAS 13463-67-7)	TWA	0,8 mg/m3 4 mg/m3	Respirable dust. Respirable dust.
		10 mg/m3	Total inhalable dust.

Italy. Occupational Exposure Limits

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	TWA	0,1 ppm	
Silicon dioxide (CAS 14808-60-7)	TWA	0,025 mg/m3	Respirable fraction.
Styrene, monomer (CAS 100-42-5)	STEL	40 ppm	
	TWA	20 ppm	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value
1,4-Benzoquinone (CAS 106-51-4)	TWA	0,05 mg/m3
Silicon dioxide (CAS 7631-86-9)	TWA	1 mg/m3
Styrene, monomer (CAS 100-42-5)	STEL	30 mg/m3
	TWA	10 mg/m3
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	STEL	1,3 mg/m3	
	TWA	0,3 ppm 0,4 mg/m3 0,1 ppm	
Magnesium carbonate (CAS 546-93-0)	TWA	10 mg/m3	
Silicon dioxide (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction.
Styrene, monomer (CAS 100-42-5)	STEL	200 mg/m3	
	TWA	50 ppm 90 mg/m3 20 ppm	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Inhalable fraction.
		1 mg/m3	Respirable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	5 mg/m3	

Netherlands. OELs (binding)

Components	Type	Value	Form
Silicon dioxide (CAS 14808-60-7)	TWA	0,075 mg/m3	Respirable dust.
Talc (CAS 14807-96-6)	TWA	0,25 mg/m3	Respirable dust.

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	TLV	0,4 mg/m3	
		0,1 ppm	
Silicon dioxide (CAS 7631-86-9)	TLV	1,5 mg/m3	Respirable dust.
Silicon dioxide (CAS 14808-60-7)	TLV	0,3 mg/m3	Total dust.
		0,1 mg/m3	Respirable dust.
Styrene, monomer (CAS 100-42-5)	TLV	105 mg/m3	
		25 ppm	
Talc (CAS 14807-96-6)	TLV	6 mg/m3	Total dust.
		2 mg/m3	Respirable dust.
Titanium dioxide (CAS 13463-67-7)	TLV	5 mg/m3	

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	STEL	0,4 mg/m3	
	TWA	0,1 mg/m3	
Silicon dioxide (CAS 7631-86-9)	TWA	2 mg/m3	Respirable dust.
Silicon dioxide (CAS 14808-60-7)	TWA	2 mg/m3	Total dust.
Silicon dioxide (CAS 7631-86-9)	TWA	10 mg/m3	Total dust.
Silicon dioxide (CAS 14808-60-7)	TWA	0,3 mg/m3	Respirable dust.
Styrene, monomer (CAS 100-42-5)	STEL	200 mg/m3	
	TWA	50 mg/m3	
Talc (CAS 14807-96-6)	TWA	4 mg/m3	Total dust.
		1 mg/m3	Respirable dust.
Titanium dioxide (CAS 13463-67-7)	STEL	30 mg/m3	
	TWA	10 mg/m3	Total dust.

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	TWA	0,1 ppm	
Silicon dioxide (CAS 14808-60-7)	TWA	0,025 mg/m3	Respirable fraction.
Styrene, monomer (CAS 100-42-5)	STEL	40 ppm	
	TWA	20 ppm	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	STEL	0,4 mg/m3	
	TWA	0,3 mg/m3	
N,N-Diethylaniline (CAS 91-66-7)	STEL	20 mg/m3	
		3,2 ppm	
	TWA	10 mg/m3	

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value	Form
Silicon dioxide (CAS 14808-60-7)	TWA	1,6 ppm 0,1 mg/m3	Respirable fraction.
Styrene, monomer (CAS 100-42-5)	STEL	150 mg/m3	
	TWA	35 ppm 50 mg/m3	
Talc (CAS 14807-96-6)	TWA	12 ppm 2 mg/m3	Inhalable fraction.
Titanium dioxide (CAS 13463-67-7)	STEL	15 mg/m3	
	TWA	10 mg/m3	

Romania. OELs/CMRs. Protection of workers from exposure to carcinogen and mutagen agents. Hotarâre Nr. 1093 din 16 august 2006, Annex 3

Components	Type	Value	Form
Silicon dioxide (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.

Slovakia. OELs for carcinogens and mutagens. Regulation No. 46/2002 on carcinogenic and mutagenic substances

Components	Type	Value	Form
Silicon dioxide (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction.

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	TWA	0,4 mg/m3	
		0,1 ppm	
Magnesium carbonate (CAS 546-93-0)	TWA	10 mg/m3	
Silicon dioxide (CAS 7631-86-9)	TWA	0,3 mg/m3	
Styrene, monomer (CAS 100-42-5)	STEL	200 mg/m3	
	TWA	50 ppm 90 mg/m3	
Talc (CAS 14807-96-6)	TWA	20 ppm 2 mg/m3 2 mg/m3 10 mg/m3	Respirable fraction. Respirable fraction. Total
Titanium dioxide (CAS 13463-67-7)	TWA	5 mg/m3	

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	TWA	0,45 mg/m3	
		0,1 ppm	
Silicon dioxide (CAS 7631-86-9)	TWA	4 mg/m3	Inhalable fraction.
Silicon dioxide (CAS 14808-60-7)	TWA	0,15 mg/m3	Respirable fraction.
Styrene, monomer (CAS 100-42-5)	TWA	86 mg/m3	
		20 ppm	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.

Spain. Occupational Exposure Limits

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	TWA	0,45 mg/m3	
		0,1 ppm	
Silicon dioxide (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction.
Styrene, monomer (CAS 100-42-5)	STEL	172 mg/m3	

Spain. Occupational Exposure Limits Components

Components	Type	Value	Form
	TWA	40 ppm 86 mg/m3	
Talc (CAS 14807-96-6)	TWA	20 ppm 2 mg/m3	Respirable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	

Sweden. Occupational Exposure Limit Values Components

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	STEL	1,3 mg/m3	
	TWA	0,3 ppm 0,4 mg/m3	
Silicon dioxide (CAS 14808-60-7)	TWA	0,1 ppm 0,1 mg/m3	Respirable dust.
Styrene, monomer (CAS 100-42-5)	STEL	86 mg/m3	
	TWA	20 ppm 43 mg/m3	
Talc (CAS 14807-96-6)	TWA	10 ppm 2 mg/m3	Total dust. Respirable dust.
Titanium dioxide (CAS 13463-67-7)	TWA	1 mg/m3 5 mg/m3	Total dust.

Switzerland. SUVA Grenzwerte am Arbeitsplatz Components

Components	Type	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	STEL	0,4 mg/m3	
	TWA	0,1 ppm 0,4 mg/m3	
Magnesium carbonate (CAS 546-93-0)	TWA	0,1 ppm 3 mg/m3	Respirable dust.
Silicon dioxide (CAS 14808-60-7)	TWA	0,15 mg/m3	Respirable dust.
Styrene, monomer (CAS 100-42-5)	STEL	170 mg/m3	
	TWA	40 ppm 85 mg/m3	
Talc (CAS 14807-96-6)	TWA	20 ppm 2 mg/m3	Respirable dust.
Titanium dioxide (CAS 13463-67-7)	TWA	3 mg/m3	Respirable dust.

UK. EH40 Workplace Exposure Limits (WELs) Components

Components	Type	Value	Form
Magnesium carbonate (CAS 546-93-0)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.
Silicon dioxide (CAS 7631-86-9)	TWA	6 mg/m3	Inhalable dust.
		2,4 mg/m3	Respirable dust.
Silicon dioxide (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable.
Styrene, monomer (CAS 100-42-5)	STEL	1080 mg/m3	
	TWA	250 ppm 430 mg/m3	
Talc (CAS 14807-96-6)	TWA	100 ppm 1 mg/m3	Respirable dust.
Titanium dioxide (CAS 13463-67-7)	TWA	4 mg/m3	Respirable.
		10 mg/m3	Inhalable

Biological limit values**Czech Republic. Limit Values for Indicators of Biological Exposure Tests in Urine and Blood, Annex 2, Tables 1 and 2, Government Decree 432/2003 Sb.**

Components	Value	Determinant	Specimen	Sampling Time
Styrene, monomer (CAS 100-42-5)	300 µmol/mmol	Mandelic acid	Creatinine in urine	*
	400 mg/g	Mandelic acid	Creatinine in urine	*

* - For sampling details, please see the source document.

Finland. HTP-arvot, App 2., Biological Limit Values, (BRA/BGV) , Social Affairs and Ministry of Health

Components	Value	Determinant	Specimen	Sampling Time
Styrene, monomer (CAS 100-42-5)	1,2 mmol/l	MAPGA (mandelic acid plus phenylglyoxylic acid)	Urine	*

* - For sampling details, please see the source document.

France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065)

Components	Value	Determinant	Specimen	Sampling Time
Styrene, monomer (CAS 100-42-5)	800 mg/g	Acide mandélique	Creatinine in urine	*
	300 mg/g	Acide mandélique	Creatinine in urine	*
	0,55 mg/l	Styréne	Venous blood	*
	0,02 mg/l	Styréne	Venous blood	*

* - For sampling details, please see the source document.

Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling Time
Styrene, monomer (CAS 100-42-5)	600 mg/g	Mandelsäure plus Phenylglyoxylsäure	Creatinine in urine	*

* - For sampling details, please see the source document.

Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices

Components	Value	Determinant	Specimen	Sampling Time
Styrene, monomer (CAS 100-42-5)	1000 mg/g	mandelic acid	Creatinine in urine	*
	740 µmol/mmol	mandelic acid	Creatinine in urine	*

* - For sampling details, please see the source document.

Slovakia. BLVs (Biological Limit Value). Regulation no. 355/2006 concerning protection of workers exposed to chemical agents, Annex 2

Components	Value	Determinant	Specimen	Sampling Time
Styrene, monomer (CAS 100-42-5)	600 mg/g	Mandelic acid plus phenylglyoxylic acid	Creatinine in urine	*
	901 mg/l	Mandelic acid plus phenylglyoxylic acid	Urine	*

* - For sampling details, please see the source document.

Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4

Components	Value	Determinant	Specimen	Sampling Time
Styrene, monomer (CAS 100-42-5)	400 mg/g	Ácido mandélico más ácido fenilgloxílico	Creatinine in urine	*
	0,2 mg/l	Estireno	Venous blood	*

* - For sampling details, please see the source document.

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)

Components	Value	Determinant	Specimen	Sampling Time
Styrene, monomer (CAS 100-42-5)	400 mg/g	Mandelsäure	Creatinine in urine	*

* - For sampling details, please see the source document.

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no-effect level (DNEL) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

General information Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

- Hand protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

- Other Wear appropriate chemical resistant clothing.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Appearance**

Physical state Liquid.

Form Liquid. Paste

Color Not available.

Odor Not available.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range 293 °F (145 °C) estimated

Flash point 93,9 °F (34,4 °C) estimated

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) 1,1 % estimated

Flammability limit - upper (%) 6,1 % estimated

Vapor pressure 2,49 hPa estimated

Vapor density Not available.

Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	914 °F (490 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidizing properties	Not available.
9.2. Other information	
Density	10,40 lbs/gal
Percent volatile	17,49 % estimated
Specific gravity	1,25
VOC	17,2665 % estimated

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Strong acids. Aluminum. Peroxides.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Inhalation	Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation.
Skin contact	Harmful in contact with skin. Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Harmful if swallowed.
Symptoms	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

11.1. Information on toxicological effects

Acute toxicity Harmful if inhaled. Harmful in contact with skin. Harmful if swallowed.

Components	Species	Test Results
1,4-Benzoquinone (CAS 106-51-4)		
Acute		
Oral		
LD50	Rat	130 mg/kg
N,N-Diethylaniline (CAS 91-66-7)		
Acute		
Oral		
LD50	Rat	782 mg/kg
Sodium silicate (CAS 1344-09-8)		
Acute		
Oral		
LD50	Mouse	1100 mg/kg
	Rat	1,1 g/kg

Components	Species	Test Results
Styrene, monomer (CAS 100-42-5)		
Acute		
Inhalation		
LC50	Mouse	4940 ppm, 2 Hours
	Rat	2770 ppm, 4 Hours
		24 mg/l, 4 Hours
Oral		
LD50	Mouse	316 mg/kg
	Rat	1 g/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory sensitization	Due to partial or complete lack of data the classification is not possible.
Skin sensitization	Due to partial or complete lack of data the classification is not possible.
Germ cell mutagenicity	Due to partial or complete lack of data the classification is not possible.
Carcinogenicity	Suspected of causing cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

1,4-Benzoquinone (CAS 106-51-4)	3 Not classifiable as to carcinogenicity to humans.
Silicon dioxide (CAS 14808-60-7)	1 Carcinogenic to humans.
Styrene, monomer (CAS 100-42-5)	2B Possibly carcinogenic to humans.
Titanium dioxide (CAS 13463-67-7)	2B Possibly carcinogenic to humans.

Reproductive toxicity	Suspected of damaging the unborn child.
Specific target organ toxicity - single exposure	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	Due to partial or complete lack of data the classification is not possible.
Mixture versus substance information	No information available.
Other information	Not available.

SECTION 12: Ecological information

12.1. Toxicity Toxic to aquatic life with long lasting effects.

Components	Species	Test Results
1,4-Benzoquinone (CAS 106-51-4)		
Aquatic		
Fish	LC50	Fathead minnow (Pimephales promelas) 0,005 - 0,03 mg/l, 96 hours
N,N-Diethylaniline (CAS 91-66-7)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna) 1 - 1,6 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas) 16,4 mg/l, 96 hours
Sodium silicate (CAS 1344-09-8)		
Aquatic		
Crustacea	EC50	Water flea (Ceriodaphnia dubia) 0,28 - 0,57 mg/l, 48 hours
Fish	LC50	Western mosquitofish (Gambusia affinis) 1800 mg/l, 96 hours
Styrene, monomer (CAS 100-42-5)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna) 3,3 - 7,4 mg/l, 48 hours
Fish	LC50	Sheepshead minnow (Cyprinodon variegatus) 5,1 - 16 mg/l, 96 hours
Titanium dioxide (CAS 13463-67-7)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna) > 1000 mg/l, 48 hours

Components	Species	Test Results
Fish	LC50 Mummichog (<i>Fundulus heteroclitus</i>)	> 1000 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

12.2. Persistence and degradability No data is available on the degradability of this product.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

1,4-Benzoquinone	0,2
N,N-Diethylaniline	3,31
Styrene, monomer	2,95

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment Not available.

12.6. Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number	UN1866
14.2. UN proper shipping name	Resin Solution
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Hazard No. (ADR)	30
Tunnel restriction code	D/E
14.4. Packing group	III
14.5. Environmental hazards	No.
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

RID

14.1. UN number	UN1866
14.2. UN proper shipping name	Resin Solution
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	III
14.5. Environmental hazards	No.
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

ADN

14.1. UN number	UN1866
14.2. UN proper shipping name	Resin Solution
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	III
14.5. Environmental hazards	No.
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

14.1. UN number	UN1866
14.2. UN proper shipping name	Resin Solution
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
14.4. Packing group	III
14.5. Environmental hazards	No.
ERG Code	3L
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.

IMDG

14.1. UN number	UN1866
14.2. UN proper shipping name	Resin Solution
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
14.4. Packing group	III
14.5. Environmental hazards	
Marine pollutant	No.
EmS	F-E, S-E
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

ADN; ADR; IATA; IMDG; RID

**SECTION 15: Regulatory information**

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I, as amended
Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Sodium silicate (CAS 1344-09-8)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended

Not listed.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Styrene, monomer (CAS 100-42-5)

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances

1,4-Benzoquinone (CAS 106-51-4)

N,N-Diethylaniline (CAS 91-66-7)

Styrene, monomer (CAS 100-42-5)

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended

1,4-Benzoquinone (CAS 106-51-4)

N,N-Diethylaniline (CAS 91-66-7)

Styrene, monomer (CAS 100-42-5)

Directive 94/33/EC on the protection of young people at work, as amended

1,4-Benzoquinone (CAS 106-51-4)

N,N-Diethylaniline (CAS 91-66-7)

Styrene, monomer (CAS 100-42-5)

Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

National regulations

Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work. Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

Not available.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15

R10 Flammable.

R20 Harmful by inhalation.

R22 Harmful if swallowed.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R23/25 Toxic by inhalation and if swallowed.
R33 Danger of cumulative effects.
R36/37/38 Irritating to eyes, respiratory system and skin.
R36/38 Irritating to eyes and skin.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R50 Very toxic to aquatic organisms.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
H351 Suspected of causing cancer.

Revision information

Training information

Disclaimer

None.

Follow training instructions when handling this material.

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