Gurit

SP Handipack Hardener

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 23/06/2015 Revision date: 04/08/2016 Supersedes: 22/10/2015 Version: 1.3

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Precautionary statements (CLP) : P201 - Obtain special instructions before use	Hazard statements (CLP)	H314 - Causes severe skin burns and eye damage H317 - May cause an allergic skin reaction H331 - Toxic if inhaled

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

- P260 Do not breathe vapours
- P264 Wash hands, forearms and face thoroughly after handling
- P270 Do not eat, drink or smoke when using this product
- P271 Use only outdoors or in a well-ventilated area

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
benzyl alcohol	(CAS No) 100-51-6 (EC no) 202-859-9 (EC index no) 603-057-00-5 (REACH-no) 01-2119493630-38	>= 10	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Irrit. 2, H319
Trimethylhexamethylenediamine	(CAS No) 25620-58-0 (EC no) 247-134-8	5 - 25	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Skin Sens. 1, H317
1,3-Benzenedimethanamine	(CAS No) 1477-55-0 (EC no) 216-032-5 (REACH-no) 01-2119480150-50	< 25	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 2 (Inhalation:vapour), H330 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Phenol	(CAS No) 108-95-2 (EC no) 203-632-7 (EC index no) 604-001-00-2 (REACH-no) 01-2119471329-32	3 - 10	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1B, H314 Muta. 2, H341 STOT RE 2, H373
2-piperazin-1-ylethylamine	(CAS No) 140-31-8 (EC no) 205-411-0 (EC index no) 612-105-00-4 (REACH-no) 01-2119471486-30	< 10	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412

Name	Product identifier	Specific concentration limits
Phenol	(CAS No) 108-95-2 (EC no) 203-632-7 (EC index no) 604-001-00-2 (REACH-no) 01-2119471329-32	(1 = <c 2,="" 3)="" <="" h315<br="" irrit.="" skin="">(1 =<c 2,="" 3)="" <="" eye="" h319<br="" irrit.="">(C >= 3) Skin Corr. 1B, H314</c></c>

Full text of H-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measure	95
First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a doctor.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and	effects, both acute and delayed
Symptoms/injuries after skin contact	: Burns. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Serious damage to eyes.
Symptoms/injuries after ingestion	: Burns.
4.3. Indication of any immediate me	dical attention and special treatment needed
Treat symptomatically	

Treat symptomatically.

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 5: Firefighting m	easures		
5.1. Extinguishing media			
Suitable extinguishing media	: Water spray. Dry powe	: Water spray. Dry powder. Foam. Carbon dioxide.	
Unsuitable extinguishing media	: Do not use a heavy wa	ater stream.	
5.2. Special hazards arising	from the substance or mixture		
Hazardous decomposition products fire		eleased.	
5.3. Advice for firefighters			
Precautionary measures fire	: Evacuate area.		
Firefighting instructions	: Exercise caution wher	n fighting any chemical fire.	
Protection during firefighting	: Do not attempt to take apparatus. Complete	action without suitable protective equipment. Self-contained breathing protective clothing.	
Other information	: Collect contaminated	ire fighting water seperately. It must not enter drains.	
SECTION 6: Accidental re	ease measures		
	protective equipment and emergency	procedures	
6.1.1. For non-emergency per Protective equipment	: Protective clothing.		
Emergency procedures	0	. Avoid contact with skin and eyes. Do not breathe	
Emergency procedures	dust/fume/gas/mist/va		
6.1.2. For emergency respond	ders		
Protective equipment		action without suitable protective equipment. For further information posure controls/personal protection".	
Emergency procedures	: Ventilate area.		
6.2. Environmental precaut	ions		
Avoid release to the environment.	Notify authorities if liquid enters sewers	or public waters.	
6.3. Methods and material f	or containment and cleaning up		
For containment	: Collect spillage.		
Methods for cleaning up		absorbent material. Notify authorities if product enters sewers or public	
Other information	: Dispose of materials c	r solid residues at an authorized site.	
6.4. Reference to other sect	tions		
For further information refer to sect	ion 13. For further information refer to s	ection 8: "Exposure controls/personal protection".	
SECTION 7: Handling and	storage		
7.1. Precautions for safe ha	ndling		
Precautions for safe handling	read and understood. and eyes. Do not brea	ions before use. Do not handle until all safety precautions have been Use only outdoors or in a well-ventilated area. Avoid contact with skin the dust/fume/gas/mist/vapours/spray. Wear personal protective od ventilation of the work station.	
Hygiene measures	out of the workplace. I after handling the proc	othing before reuse. Contaminated work clothing should not be allowed Do not eat, drink or smoke when using this product. Always wash hands luct. Separate working clothes from town clothes. Launder separately. r exposed areas with mild soap and water before eating, drinking or twing work.	
7.2. Conditions for safe sto	rage, including any incompatibilities		
Storage conditions	: Store locked up. Store	in a well-ventilated place. Keep container tightly closed. Keep cool.	
Storage temperature	: ≤ 30 °C		
Storage area	: Store away from heat.	Store in a well-ventilated place.	
Special rules on packaging	: Keep only in original c	ontainer.	
7.3. Specific end use(s) No additional information available			
SECTION 8: Exposure con 8.1. Control parameters	trois/personal protection		
Phenol (108-95-2)	OELV TWA (mg/m ³)	8 mg/m ³	
	DELV TWA (ng/m)	2 ppm	

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Phenol (108-95-2)		
EU	IOELV STEL (mg/m ³)	16 mg/m³
EU	IOELV STEL (ppm)	4 ppm
United Kingdom	Local name	Phenol
United Kingdom	WEL TWA (mg/m ³)	7.8 mg/m ³
United Kingdom	WEL TWA (ppm)	2 ppm
United Kingdom	WEL STEL (mg/m ³)	16 mg/m³
United Kingdom	WEL STEL (ppm)	4 ppm
United Kingdom	Remark (WEL)	Sk

8.2. Exposure controls

Appropriate engineering controls

Personal protective equipment

Ensure good ventilation of the work station.Gloves. Protective clothing. Safety glasses.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear respiratory protection. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended



Environmental exposure controls

: Avoid release to the environment.

Other information

: Do not eat, drink or smoke during use.

al properties
nd chemical properties
: Liquid
: Yellow.
: Amine-like.
: No data available
: No data available
: No data available
: Not applicable
: No data available
: Not applicable
: No data available

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Explosi	ve limits : No data available
9.2.	Other information
No add	itional information available
SECT	ION 10: Stability and reactivity
10.1.	Reactivity
The pro	oduct is non-reactive under normal conditions of use, storage and transport. Product is not explosive.
10.2.	Chemical stability
Stable	under normal conditions.
10.3.	Possibility of hazardous reactions
No dan	gerous reactions known under normal conditions of use.
10.4.	Conditions to avoid
None u	nder recommended storage and handling conditions (see section 7).
10.5.	Incompatible materials
No add	itional information available
10.6.	Hazardous decomposition products
Under r	normal conditions of storage and use, hazardous decomposition products should not be produced.
SECT	ION 11: Toxicological information
11 1	Information on toxicological effects

11.1. Information on toxicological effects	
Acute toxicity	: Oral: Harmful if swallowed. Inhalation:vapour: Toxic if inhaled.
ATE CLP (oral)	637.908 mg/kg bodyweight
ATE CLP (vapours)	9.783 mg/l/4h
Phenol (108-95-2)	
LD50 oral rat	340 mg/kg
LD50 dermal rabbit	630 mg/kg
Trimethylhexamethylenediamine (25620-58-0	
LD50 oral rat	910 mg/kg
benzyl alcohol (100-51-6)	
LD50 oral rat	1230 mg/kg
LD50 dermal rabbit	2 g/kg
LC50 inhalation rat (mg/l)	8.8 mg/l/4h
1,3-Benzenedimethanamine (1477-55-0)	
LD50 oral rat	660 mg/kg
LD50 oral	980 mg/kg
LD50 dermal rabbit	2 g/kg
LC50 inhalation rat (mg/l)	1.34 mg/l/4h
LC50 inhalation rat (ppm)	700 ppm/1h
2-piperazin-1-ylethylamine (140-31-8)	
LD50 oral rat	2140 μl/kg
LD50 dermal rabbit	880 µl/kg
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Serious eye damage, category 1, implicit
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Suspected of causing genetic defects.
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

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SECTION 12: Ecological information		
12.1. Toxicity		
Ecology - general	Before neutralisation, the product may represent a danger to aquatic organisms.	
Phenol (108-95-2)		
LC50 fish 1	11.9 - 50.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])	
LC50 fish 2	20.5 - 25.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])	
EC50 Daphnia 1	4.24 - 10.7 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])	
EC50 Daphnia 2	10.2 - 15.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
EC50 72h algae (1)	187 - 279 mg/l (Species: Desmodesmus subspicatus [static])	
EC50 96h algae (1)	46.42 mg/l (Species: Pseudokirchneriella subcapitata)	
EC50 96h algae (2)	0.0188 - 0.1044 mg/l (Species: Pseudokirchneriella subcapitata [static])	
Trimethylhexamethylenediamine (25620-58-0)		
EC50 72h algae (1)	29.5 mg/I (Species: Desmodesmus subspicatus)	
benzyl alcohol (100-51-6)		
LC50 fish 1	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])	
LC50 fish 2	10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])	
EC50 Daphnia 1	23 mg/l (Exposure time: 48 h - Species: water flea)	
2-piperazin-1-ylethylamine (140-31-8)		
LC50 fish 1	1950 - 2460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])	
LC50 fish 2	> 1000 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [semi-static])	
EC50 Daphnia 1	32 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
EC50 72h algae (1)	495 mg/l (Species: Pseudokirchneriella subcapitata)	

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Phenol (108-95-2)		
BCF fish 1	(no significant bioaccumulation)	
Log Pow	1.47	
Trimethylhexamethylenediamine (25620-58-0)		
Log Pow	0.77 (at 23 °C)	
benzyl alcohol (100-51-6)		
Log Pow	1.1	
2-piperazin-1-ylethylamine (140-31-8)		
BCF fish 1	(no bioaccumulation expected)	
Log Pow	-1.48	
I2.4. Mobility in soil		

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations			
13.1. Waste treatment methods			
Regional legislation (waste)	: Disposal must be done according to official regulations.		
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.		
Waste disposal recommendations	: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.		
Ecology - waste materials	: Avoid release to the environment.		
European List of Waste (LoW) code	 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances 		

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SECTION 14: Transport information						
In accordance with ADR / IATA / IMDG						
ADR	IMDG	ΙΑΤΑ				
14.1. UN number						
2735	2735	2735				
14.2. UN proper shipping name						
POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Trimethylhexamethylenediamine ; 1,3- Benzenedimethanamine)	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Trimethylhexamethylenediamine ; 1,3- Benzenedimethanamine)	Polyamines, liquid, corrosive, n.o.s. (Trimethylhexamethylenediamine ; 1,3- Benzenedimethanamine)				
Transport document description	·					
UN 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Trimethylhexamethylenediamine ; 1,3- Benzenedimethanamine), 8, II, (E)	UN 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Trimethylhexamethylenediamine ; 1,3- Benzenedimethanamine), 8, II	UN 2735 Polyamines, liquid, corrosive, n.o.s. (Trimethylhexamethylenediamine ; 1,3- Benzenedimethanamine), 8, II				
14.3. Transport hazard class(es)						
8	8	8				
	8	8				
14.4. Packing group						
II	II	П				
14.5. Environmental hazards	14.5. Environmental hazards					
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No				
No supplementary information available						

14.6. Special precautions for user

- Overland transport		
Classification code (ADR)	:	C7
Special provisions (ADR)	:	274
Limited quantities (ADR)	:	11
Excepted quantities (ADR)	:	E2
Packing instructions (ADR)	:	P001, IBC02
Mixed packing provisions (ADR)	:	MP15
Portable tank and bulk container instructions (ADR)	:	T11
Portable tank and bulk container special provisions (ADR)	:	TP1, TP27
Tank code (ADR)	:	L4BN
Vehicle for tank carriage	:	AT
Transport category (ADR)	:	2
Hazard identification number (Kemler No.)	:	80
Orange plates	:	80
		2735
		2135
Tunnel restriction code (ADR)	:	2735 E
Tunnel restriction code (ADR) EAC code	-	
	-	E
EAC code APP code	-	E 2X
EAC code	-	E 2X
EAC code APP code - Transport by sea	-	E 2X B
EAC code APP code - Transport by sea Special provisions (IMDG)	-	E 2X B 274
EAC code APP code - Transport by sea Special provisions (IMDG) Limited quantities (IMDG)	-	E 2X B 274 1 L
EAC code APP code - Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG)	-	E 2X B 274 1 L E2
EAC code APP code - Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG)	-	E 2X B 274 1 L E2 P001
EAC code APP code - Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) IBC packing instructions (IMDG)	-	E 2X B 274 1 L E2 P001 IBC02

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EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: A
Properties and observations (IMDG)	: Colourless to yellowish liquids or solutions with a pungent odour. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. Reacts violently with acids. Cause burns to skin, eyes and mucous membranes.
- Air transport	
PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y840
PCA limited quantity max net quantity (IATA)	: 0.5L
PCA packing instructions (IATA)	: 851
PCA max net quantity (IATA)	: 1L
CAO packing instructions (IATA)	: 855
CAO max net quantity (IATA)	: 30L
Special provisions (IATA)	: A3
ERG code (IATA)	: 8L

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:		
Acute Tox. 2 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 2	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3	
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Muta. 2	Germ cell mutagenicity, Category 2	
Skin Corr. 1B	Skin corrosion/irritation, Category 1B	
Skin Sens. 1	Sensitisation — Skin, Category 1	
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2	
H301	Toxic if swallowed	
H302	Harmful if swallowed	
H311	Toxic in contact with skin	
H312	Harmful in contact with skin	
H314	Causes severe skin burns and eye damage	
H317	May cause an allergic skin reaction	
H319	Causes serious eye irritation	
H330	Fatal if inhaled	
H331	Toxic if inhaled	

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H332	Harmful if inhaled			
H341	Suspected of causing genetic defects			
H373	May cause damage to organs through prolonged or repeated exposure			
H412	Harmful to aquatic life with long lasting effects			
Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:				
Acute Tox. 4 (Oral)	H302	Calculation method		
Acute Tox. 3 (Inhalation:vapour)	H331	Calculation method		
Skin Corr. 1B	H314	Calculation method		
Skin Sens. 1	H317	Calculation method		
Muta. 2	H341	Calculation method		

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product