

SAFETY DATA SHEET

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

4.4. Due due tide utifier	
1.1. Product identifier	
Trade name or designation of the mixture	Poly-Pad 1000
Registration number	-
Synonyms	None.
Issue date	26-September-2013
Version number	01
Revision date	-
Supersedes date	-
1.2. Relevant identified uses of t	he substance or mixture and uses advised against
Identified uses	Thermally Conductive and Electrical Insulating Silicone Pad.
Uses advised against	None known.
1.3. Details of the supplier of the	e safety data sheet
Manufacturer/Supplier	The Bergquist Company
Address:	18930 West 78th Street
	Chanhassen, MN. 55317
Non-Emergency calls:	1-800-347-4572
Contact person:	M-SDSadmin@BergquistCompany.com
1.4. Emergency telephone	
number	
Chemical Emergency	
Call CHEMTREC Day or	
Night	
Within USA and Canada:	1-800-424-9300
Outside USA and Canada:	+1 703-527-3887 (Collect Calls Accepted)

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

This preparation does not meet the criteria for classification according to Directive 1999/45/EC as amended.

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

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

Hazard summary

Physical hazards	Not classified for physical hazards.
Health hazards	Not classified for health hazards.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the eye, mucous membranes and respiratory tract. Chronic effects are not expected when this product is used as intended.
Main symptoms	Under normal conditions of intended use, this material does not pose a risk to health.

2.2. Label elements

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

Hazard pictograms	None.
Signal word	None.
Hazard statements	The mixture does not meet the criteria for classification.
Precautionary statements	
Prevention	Observe good industrial hygiene practices.
Response	Wash thoroughly after handling.
Storage	Store away from incompatible materials.

Disposal		P501 - D regulatio		t contents/c	ontainer ir	accordance with local/reg	gional/national/inter	national
Supplemental label informa		Not appli						
.3. Other hazards	1	Under no temperat	ormal cor tures or n		action may	e, this material does not p / form dust and fumes whi act.		
ECTION 3: Composit	ion/in	format	ion on	ingredie	nts			
.2. Mixtures								
eneral information								
Chemical name			%	CAS-No.	/ EC No.	REACH Registration No	o. INDEX No.	Notes
Fiberglass			10-30		7-17-3)46-0	-	650-016-00-2	
Classification:	DSD:	-						
	CLP:	-						
1,6,7,8,9,14,15,16,17,17 cachloropentacyclo[12.2 3.05,10]octadeca-7,15-d	.1.16,9.		7-13	13560 236-9)-89-9)48-9	-	-	
Classification:	DSD:	Xn;R2	0					
	CLP:	Acute	Tox. 4;H	332				
Antimony/Chromium III/T Compound (1,2)	itanium	1	1-5	68186 269-0	6-90-3 052-1	-	051-003-00-9	#
Classification:	DSD: CLP:							
#: This substance has we CLP: Regulation No. 127 DSD: Directive 67/548/E	2/2008 EC.		ire limit(s).				
eneral information			المسمير اد	seek medir	al advice	(show the label where pos	sible)	
1. Description of first aid		-	, unwen,	Seek meak		(show the laber where pot	551510).	
Inhalation			fresh air.	Get medica	al attentior	n if symptoms occur.		
Skin contact	,	Wash sk	in with so	pap and wat	er. Get m	edical attention if irritation	persists after washi	ng.
Eye contact	I	Flush the	proughly	with water.	If irritation	occurs, get medical assis	ance.	
Ingestion	I	Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Do not give anything by mouth to an unconscious person. Get medical attention if any discomfort occurs.						
2. Most important sympto nd effects, both acute and elayed		Under no	ormal cor	nditions of ir	itended us	e, this material does not p	ose a risk to health	
3. Indication of any nmediate medical attentio nd special treatment need	n	Treat syr	nptomati	cally.				
ECTION 5: Firefightir	ng me	asures	5					
eneral fire hazards	-		tible solic	I.				
1. Extinguishing media Suitable extinguishing					appropriat	te for surrounding materia	S.	
media								

media5.2. Special hazards arising
from the substance or mixture

None known.

Unsuitable extinguishing

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. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.
Special fire fighting procedures	Move containers from fire area if you can do so without risk. In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protect	ctive equipment and emergency procedures
For non-emergency personnel	Keep unnecessary personnel away. Avoid contact with skin and eyes. Avoid inhalation of dusts from machining operation. See Section 8 of the SDS for Personal Protective Equipment.
For emergency responders	Keep unnecessary personnel away.
6.2. Environmental precautions	Environmental manager must be informed of all major spillages.
6.3. Methods and material for containment and cleaning up	Avoid generation and spreading of dust. For waste disposal, see Section 13.
	Never return spills to original containers for re-use. Sweep up or gather material and place in appropriate container for disposal. Avoid dust formation.
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	Avoid generation and spreading of dust. Avoid inhalation and contact with skin and eyes. Wear protective equipment, gloves and appropriate clothing to prevent skin contact. Observe good industrial hygiene practices.
7.2. Conditions for safe storage, including any incompatibilities	Store in a dry place. Keep away from ignition, flame and heat sources. Store away from incompatible materials.
7.3. Specific end use(s)	Electrical insulation and heat conduction.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria.	MAK List	
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(CAS 68186-90-3) Fiberglass (CAS 65997-17-3)

Components	Туре	Value	Form
Antimony/Chromium III/Titanium Compound (1,2) (CAS 68186-90-3)	STEL	1,5 mg/m3	Inhalable fraction.
Belgium. Exposure Limit Values.			
Components	Туре	Value	Form
Antimony/Chromium III/Titanium Compound (1,2) (CAS 68186-90-3)	TWA	0,5 mg/m3	
Fiberglass (CAS 65997-17-3)	TWA	1000000 fibers/m3	Fiber.
,		100000 fibers/m3	Respirable fibers.
		10 mg/m3	Fiber or dust.
Bulgaria. OELs. Regulation No 13	on protection of workers aga	inst risks of exposure to chemica	al agents at work
Components	Туре	Value	Form
Fiberglass (CAS 65997-17-3)	TWA	1 fibers/cm3	Respirable fraction.
,		6 mg/m3	Inhalable fraction.
Cyprus. OELs. Control of factory a	atmosphere and dangerous s	ubstances in factories regulation	, PI 311/73, as amended
Components	Туре	Value	Form
Antimony/Chromium III/Titanium Compound (1,2)	TWA	0,5 mg/m3	

10 mg/m3

TWA

Fiber or dust.

Czech Republic. OELs. Government Decree 361

Components	Туре	Value	Form
Fiberglass (CAS	TWA	1 fibers/cm3	Respirable fibers.
5997-17-3)		5 mg/m3	Dust.
		4 mg/m3	
Denmark. Exposure Limit Values			
Components	Туре	Value	
Antimony/Chromium	TLV	0,5 mg/m3	
II/Titanium Compound (1,2) CAS 68186-90-3)			
Estonia. OELs. Occupational Expo	sure Limits of Hazardous Su	bstances. (Annex of Regulatio	n No. 293 of 18 Septembe
2001)			
Components	Туре	Value	
ntimony/Chromium I/Titanium Compound (1,2)	TWA	2 mg/m3	
CAS 68186-90-3)			
iberglass (CAS 5997-17-3)	TWA	1 fibers/mL	
Finland. Workplace Exposure Limi	ts		
Components	Туре	Value	Form
Fiberglass (CAS	TWA	1 fibers/cm3	Respirable.
55997-17-3)			
	ED) for Occurational Even	5 mg/m3	Total dust.
rance. Threshold Limit Values (VI			K5 ED 984
	T	Value	
	Туре		
Antimony/Chromium	VME	2 mg/m3	
Antimony/Chromium II/Titanium Compound (1,2)		2 mg/m3	
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3)	VME	2 mg/m3 0,5 mg/m3	
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values	VME in the Ambient Air at the Wor	2 mg/m3 0,5 mg/m3 kplace	
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components	VME in the Ambient Air at the Wor Type	2 mg/m3 0,5 mg/m3 •kplace Value	Form
Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2)	VME in the Ambient Air at the Wor	2 mg/m3 0,5 mg/m3 kplace	Form Inhalable fraction.
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3)	VME in the Ambient Air at the Wor Type AGW	2 mg/m3 0,5 mg/m3 • kplace Value 2 mg/m3	-
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Hungary. OELs. Joint Decree on C	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces	2 mg/m3 0,5 mg/m3 •kplace Value 2 mg/m3	Inhalable fraction.
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Hungary. OELs. Joint Decree on C Components	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces Type	2 mg/m3 0,5 mg/m3 •kplace Value 2 mg/m3 s Value	Inhalable fraction.
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Hungary. OELs. Joint Decree on C Components Fiberglass (CAS	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces	2 mg/m3 0,5 mg/m3 •kplace Value 2 mg/m3	Inhalable fraction.
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Hungary. OELs. Joint Decree on C Components Fiberglass (CAS 55997-17-3)	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces Type TWA	2 mg/m3 0,5 mg/m3 •kplace Value 2 mg/m3 s • Value 1 fibers/cm3	Inhalable fraction.
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Hungary. OELs. Joint Decree on C Components Fiberglass (CAS 55997-17-3) celand. OELs. Regulation 154/1995	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces Type TWA 9 on occupational exposure I	2 mg/m3 0,5 mg/m3 •kplace Value 2 mg/m3 s • Value 1 fibers/cm3 •	Inhalable fraction.
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Hungary. OELs. Joint Decree on C Components Fiberglass (CAS 55997-17-3) celand. OELs. Regulation 154/1998 Components	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces Type TWA	2 mg/m3 0,5 mg/m3 •kplace Value 2 mg/m3 s • Value 1 fibers/cm3	Inhalable fraction. Form Fiber.
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Hungary. OELs. Joint Decree on C Components Fiberglass (CAS 55997-17-3) celand. OELs. Regulation 154/1999 Components Antimony/Chromium II/Titanium Compound (1,2)	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces Type TWA 9 on occupational exposure I Type	2 mg/m3 0,5 mg/m3 •kplace Value 2 mg/m3 s • Value 1 fibers/cm3 • •	Inhalable fraction. Form Fiber. Form
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Hungary. OELs. Joint Decree on C Components Fiberglass (CAS 55997-17-3) celand. OELs. Regulation 154/1999 Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3)	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces Type TWA 9 on occupational exposure I Type	2 mg/m3 0,5 mg/m3 •kplace Value 2 mg/m3 s • Value 1 fibers/cm3 • •	Inhalable fraction. Form Fiber. Form
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Hungary. OELs. Joint Decree on C Components Fiberglass (CAS 55997-17-3) Celand. OELs. Regulation 154/199 Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Fiberglass (CAS	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces Type TWA 9 on occupational exposure I Type TWA	2 mg/m3 0,5 mg/m3 •kplace Value 2 mg/m3 s Value 1 fibers/cm3 imits Value 0,5 mg/m3 1 fibers/cm3	Inhalable fraction. Form Fiber. Dust.
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Hungary. OELs. Joint Decree on C Components Fiberglass (CAS 55997-17-3) Celand. OELs. Regulation 154/1999 Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Fiberglass (CAS 55997-17-3)	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces Type TWA 9 on occupational exposure I Type TWA TWA	2 mg/m3 0,5 mg/m3 •kplace Value 2 mg/m3 s Value 1 fibers/cm3 imits Value 0,5 mg/m3	Inhalable fraction. Form Fiber. Dust.
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Hungary. OELs. Joint Decree on C Components Fiberglass (CAS 55997-17-3) Celand. OELs. Regulation 154/1999 Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Fiberglass (CAS 55997-17-3) reland. Occupational Exposure Line	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces Type TWA 9 on occupational exposure I Type TWA TWA TWA	2 mg/m3 0,5 mg/m3 •kplace Value 2 mg/m3 s • Value 1 fibers/cm3 imits Value 0,5 mg/m3 1 fibers/cm3 1 fibers/cm3	Inhalable fraction. Form Fiber. Dust.
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Hungary. OELs. Joint Decree on C Components Fiberglass (CAS 55997-17-3) Celand. OELs. Regulation 154/1998 Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Fiberglass (CAS 55997-17-3) reland. Occupational Exposure Lin Components	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces Type TWA 9 on occupational exposure I Type TWA TWA TWA	2 mg/m3 0,5 mg/m3 •kplace Value 2 mg/m3 s • Value 1 fibers/cm3 imits 0,5 mg/m3 1 fibers/cm3 1 fibers/cm3 1 fibers/cm3	Inhalable fraction. Form Fiber. Dust.
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Hungary. OELs. Joint Decree on C Components Fiberglass (CAS 55997-17-3) celand. OELs. Regulation 154/1998 Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Fiberglass (CAS 55997-17-3) reland. Occupational Exposure Line Components Fiberglass (CAS	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces Type TWA 9 on occupational exposure I Type TWA TWA TWA	2 mg/m3 0,5 mg/m3 •kplace Value 2 mg/m3 s • Value 1 fibers/cm3 imits Value 0,5 mg/m3 1 fibers/cm3 1 fibers/cm3	Inhalable fraction. Form Fiber. Dust.
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Hungary. OELs. Joint Decree on C Components Fiberglass (CAS 55997-17-3) celand. OELs. Regulation 154/1998 Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Fiberglass (CAS 55997-17-3) reland. Occupational Exposure Line Components Fiberglass (CAS	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces Type TWA 9 on occupational exposure I Type TWA TWA TWA	2 mg/m3 0,5 mg/m3 •kplace Value 2 mg/m3 s • Value 1 fibers/cm3 imits 0,5 mg/m3 1 fibers/cm3 1 fibers/cm3 1 fibers/cm3	Inhalable fraction. Form Fiber. Dust.
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Hungary. OELs. Joint Decree on C Components Fiberglass (CAS 35997-17-3) Celand. OELs. Regulation 154/1999 Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Fiberglass (CAS 35997-17-3) reland. Occupational Exposure Lin Components Fiberglass (CAS 35997-17-3)	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces Type TWA 9 on occupational exposure I Type TWA TWA TWA	2 mg/m3 0,5 mg/m3 •kplace Value 2 mg/m3 s Value 1 fibers/cm3 imits Value 0,5 mg/m3 1 fibers/cm3 1 fibers/cm3 1 fibers/cm3 2 fibers/cm3	Inhalable fraction. Form Fiber. Dust.
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Hungary. OELs. Joint Decree on C Components Fiberglass (CAS 55997-17-3) Celand. OELs. Regulation 154/1999 Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Fiberglass (CAS 55997-17-3) reland. Occupational Exposure Lim Components Fiberglass (CAS 55997-17-3) reland. Occupational Exposure Lim Components Fiberglass (CAS 55997-17-3) taly. OELs	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces Type TWA 9 on occupational exposure I Type TWA TWA TWA	2 mg/m3 0,5 mg/m3 •kplace Value 2 mg/m3 s Value 1 fibers/cm3 imits Value 0,5 mg/m3 1 fibers/cm3 1 fibers/cm3 1 fibers/cm3 2 fibers/cm3	Inhalable fraction. Form Fiber. Dust.
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Germany. TRGS 900, Limit Values Components Antimony/Chromium	VME in the Ambient Air at the Wor Type AGW hemical Safety of Workplaces Type TWA 9 on occupational exposure I Type TWA TWA TWA TWA TWA	2 mg/m3 0,5 mg/m3 Value 2 mg/m3 s Value 1 fibers/cm3 imits Value 0,5 mg/m3 1 fibers/cm3 1 fibers/cm3 1 fibers/cm3 2 fibers/cm3 5 mg/m3	Inhalable fraction. Form Fiber. Dust. Fiber.

Italy. OELs

Components	Туре	Value	Form
		5 mg/m3	Inhalable fraction.
atvia. OELs. Occupational expo	sure limit values of chemical s	ubstances in work environmer	nt
Components	Туре	Value	
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3)	TWA	2 mg/m3	
Boron nitride (CAS 10043-11-5)	TWA	6 mg/m3	
ithuania. OELs. Limit Values fo	r Chemical Substances, Gener	al Requirements	
Components	Туре	Value	Form
iberglass (CAS 5997-17-3)	TWA	0,2 fibers/cm3	Fiber.
ithuania. OELs. Limit Values fo.		al Requirements (Hygiene Nori	m HN 23:2007)
Components	Туре	Value	
Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3)	TWA	2 mg/m3	
Boron nitride (CAS 10043-11-5)	TWA	6 mg/m3	
uxembourg. Binding Occupatio	nal exposure limit values (Ann	ex I), Memorial A	
Components	Туре	Value	
Antimony/Chromium II/Titanium Compound (1,2)	TWA	2 mg/m3	
CAS 68186-90-3)			
Malta. OELs. Occupational Expos	sure Limit Values (L.N. 227. of	Occupational Health and Safety	y Authority Act (CAP. 4
Malta. OELs. Occupational Expos Schedules I and V)	sure Limit Values (L.N. 227. of Type	Occupational Health and Safety Value	y Authority Act (CAP. 4
Malta. OELs. Occupational Expos Schedules I and V) Components Antimony/Chromium II/Titanium Compound (1,2)			y Authority Act (CAP. 4
Malta. OELs. Occupational Expos Schedules I and V) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3)	Туре	Value	y Authority Act (CAP. 4
Malta. OELs. Occupational Expose Schedules I and V) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Netherlands. OELs (binding)	Туре	Value	y Authority Act (CAP. 4
Malta. OELs. Occupational Expose Schedules I and V) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Netherlands. OELs (binding) Components Antimony/Chromium II/Titanium Compound (1,2)	Type TWA	Value 2 mg/m3	y Authority Act (CAP. 4
Malta. OELs. Occupational Expose Schedules I and V) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Netherlands. OELs (binding) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3)	Type TWA Type TWA	Value 2 mg/m3 Value 0,5 mg/m3	y Authority Act (CAP. 4
Malta. OELs. Occupational Expos Schedules I and V) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Netherlands. OELs (binding) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Norway. Administrative Norms for	Type TWA Type TWA or Contaminants in the Workpla	Value 2 mg/m3 Value 0,5 mg/m3	y Authority Act (CAP. 4
Alta. OELs. Occupational Expose Schedules I and V) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Aetherlands. OELs (binding) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Norway. Administrative Norms for Components	Type TWA Type TWA	Value 2 mg/m3 Value 0,5 mg/m3	
Malta. OELs. Occupational Expose Schedules I and V) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Netherlands. OELs (binding) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Norway. Administrative Norms for Components Fiberglass (CAS	Type TWA Type TWA or Contaminants in the Workpla Type	Value 2 mg/m3 Value 0,5 mg/m3 ace Value 0,1 fibers/cm3	Form Fiber.
Malta. OELs. Occupational Expos Schedules I and V) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Netherlands. OELs (binding) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Norway. Administrative Norms for Components Fiberglass (CAS 5997-17-3)	Type TWA TWA TWA or Contaminants in the Workpla Type TLV	Value 2 mg/m3 Value 0,5 mg/m3 ace Value 0,1 fibers/cm3 5 mg/m3	Form Fiber. Total dust.
Malta. OELs. Occupational Expos Schedules I and V) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Netherlands. OELs (binding) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Norway. Administrative Norms for Components Fiberglass (CAS 55997-17-3) Poland. MACs. Minister of Labou	Type TWA TWA TWA or Contaminants in the Workpla Type TLV	Value 2 mg/m3 Value 0,5 mg/m3 ace Value 0,1 fibers/cm3 5 mg/m3	Form Fiber. Total dust.
Malta. OELs. Occupational Expose Schedules I and V) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Netherlands. OELs (binding) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Norway. Administrative Norms for Components Fiberglass (CAS 55997-17-3) Poland. MACs. Minister of Labou Norking Environment	Type TWA TWA TWA or Contaminants in the Workpla Type TLV	Value 2 mg/m3 Value 0,5 mg/m3 ace Value 0,1 fibers/cm3 5 mg/m3	Form Fiber. Total dust.
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Malta. OELs. Occupational Expos Schedules I and V) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Netherlands. OELs (binding) Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Norway. Administrative Norms for Components Fiberglass (CAS 55997-17-3) Poland. MACs. Minister of Labou Norking Environment Components Antimony/Chromium II/Titanium Compound (1,2) CAS 68186-90-3) Fiberglass (CAS 55997-17-3)	Type TWA Type TWA TWA or Contaminants in the Workpla TLV TLV r and Social Policy Regarding Type STEL TWA	Value 2 mg/m3 Value 0,5 mg/m3 ace Value 0,1 fibers/cm3 5 mg/m3 Maximum Allowable Concentration Value 30 mg/m3 1 fibers/cm3 0,5 fibers/cm3 1 mg/m3	Form Fiber. Total dust. ations and Intensities in Form Respirable fibers. Respirable dust.
(CAS 68186-90-3) Malta. OELs. Occupational Expos Schedules I and V) Components Antimony/Chromium III/Titanium Compound (1,2) (CAS 68186-90-3) Netherlands. OELs (binding) Components Antimony/Chromium III/Titanium Compound (1,2) (CAS 68186-90-3) Norway. Administrative Norms for Components Fiberglass (CAS 65997-17-3) Poland. MACs. Minister of Labou Working Environment Components Antimony/Chromium III/Titanium Compound (1,2) (CAS 68186-90-3) Fiberglass (CAS 65997-17-3) Poland. MACs. Decree-Law n. 25 Components	Type TWA Type TWA TWA or Contaminants in the Workpla TLV TLV r and Social Policy Regarding Type STEL TWA	Value 2 mg/m3 Value 0,5 mg/m3 ace Value 0,1 fibers/cm3 5 mg/m3 Maximum Allowable Concentration Value 30 mg/m3 1 fibers/cm3 0,5 fibers/cm3 1 mg/m3	Form Fiber. Total dust. ations and Intensities in Form Respirable fibers. Respirable dust.

Components	Туре	Value	Form
iberglass (CAS 5997-17-3)	TWA	0,2 fibers/cm3	Fiber.
amonia OFLA Dratastian of war	kara from ovnooure to ohomi	5 mg/m3	Inhalable fraction.
omania. OELs. Protection of wor	-	cal agents at the workplace	
Components	Туре	Value	
ntimony/Chromium I/Titanium Compound (1,2) CAS 68186-90-3)	TWA	0,5 mg/m3	
lovakia. OELs. Decree of the gov gents	ernment of the Slovak Reput	lic concerning protection of he	alth in work with chemi
Components	Туре	Value	
ntimony/Chromium I/Titanium Compound (1,2) CAS 68186-90-3)	TWA	0,5 mg/m3	l avata
Slovakia. OELs. Regulation No. 30			a agents
Components	Туре	Value	
iberglass (CAS 5997-17-3)	TWA	2 fibers/cm3	
lovenia. OELs. Regulations conc Official Gazette of the Republic of		against risks due to exposure t	o chemicals while work
Components	Туре	Value	Form
iberglass (CAS 5997-17-3)	TWA	500000 fibers/cm	3 Dust.
pain. Occupational Exposure Lin	nits		
components	Туре	Value	Form
iberglass (CAS 5997-17-3)	TWA	1 fibers/cm3	Fiber.
Sweden			
Components	Туре	Value	Form
iberglass (CAS 5997-17-3)	TWA	1 fibers/cm3	Fiber.
weden. Occupational Exposure L	imit Values		
omponents	Туре	Value	
iberglass (CAS	TWA	1 fibers/mL	
5997-17-3) switzerland. SUVA Grenzwerte am	Arbeitsplatz		
components	Туре	Value	Form
Antimony/Chromium	TWA	Value 0,5 mg/m3	Inhalable dust.
I/Titanium Compound (1,2) CAS 68186-90-3)			
ïberglass (CAS 5997-17-3)	TWA	0,5 fibers/mL	Fiber.
JK. EH40 Workplace Exposure Lir	nits (WELs)		
Components	Туре	Value	Form
iberglass (CAS 5997-17-3)	TWA	1 fibers/mL	Fiber.
		5 mg/m3	Fiber.
U. Indicative Exposure Limit Valu	ues in Directives 91/322/EEC,	2000/39/EC, 2006/15/EC, 2009/1	61/EU
Components	Туре	Value	
Antimony/Chromium	TWA	2 mg/m3	

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

Biological limit values

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

Components	/alue	Determinant	Specimen	Sampling time
Antimony/Chromium (III/Titanium Compound (1,2) (CAS 68186-90-3)),02 mg/g	chromium	Creatinine in urine	*
* - For sampling details, pleas	se see the source doo	cument.		
Recommended monitoring procedures	Follow standard me	onitoring procedures	5.	
Derived no-effect level (DNEL)	Not available.			
Predicted no effect concentrations (PNECs)	Not available.			
8.2. Exposure controls				
Appropriate engineering controls	exposure limits liste	ed are provided for	safety reasons.	mal use/handling of this product. The Use process enclosures, local exhaust porne levels below recommended exposure
Individual protection measures	, such as personal p	rotective equipme	nt	
General information				nal protective equipment should be chosen in the supplier of the personal protective
Eye/face protection	Risk of contact: We	ear approved safety	goggles.	
Skin protection				
- Hand protection	Use suitable protec glove supplier.	ctive gloves if risk of	skin contact. S	uitable gloves can be recommended by the
- Other	If prolonged or repe	eated contact is like	ly, chemical res	istant clothing is recommended.
Respiratory protection	In case of inadequa combination filter, t	ate ventilation, use type A2/P2.	respiratory prote	ection. Use respiratory equipment with
Thermal hazards	Wear appropriate t	hermal protective cl	othing, when ne	ecessary.
Hygiene measures	and before eating,	drinking, and/or sm	oking. Routinely	ch as washing after handling the material wash work clothing and protective ated clothing and footwear that cannot be
Environmental exposure controls	Environmental mar	nager must be inforr	med of all major	releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Solid.		
Form Solid.		
Colour Gold.		
Odour Slight.		
Odour threshold Not available.		
pH Not available.		
Melting point/freezing point Not available.		
Initial boiling point and boiling Not applicable. range		
Flash pointNot applicable.		
Evaporation rate Not available.		
Flammability (solid, gas) Not applicable.		
Upper/lower flammability or explosive limits		
Flammability limit - lower None. (%)		
Flammability limit - upper None. (%)		
Vapour pressure Not available.		

Vapour density	Not available.
Relative density	1,5
Solubility(ies)	Insoluble in water.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not applicable.
Explosive properties	Not explosive.
Oxidizing properties	Not available.
9.2. Other information	No relevant additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Stable at normal conditions.
10.3. Possibility of hazardous reactions	Hazardous polymerisation does not occur.
10.4. Conditions to avoid	Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	Carbon oxides. Silicon dioxide.

SECTION 11: Toxicological information

General information	Under normal conditions of intended use, this material does not pose a risk to health.
Information on likely routes	of exposure
Ingestion	Ingestion of dusts generated during working operations may cause nausea and vomiting.
Inhalation	Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the mucous membranes and respiratory tract.
Skin contact	Prolonged skin contact may cause temporary irritation.
Eye contact	Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the eye.
Symptoms	Under normal conditions of intended use, this material does not pose a risk to health.

11.1. Information on toxicological effects

Acute toxicity	Under normal conditions of intended use, this material does not pose a risk to health.		
Components	Species	Test results	
1,6,7,8,9,14,15,16,17,17,18,18-	dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene (CAS 13560-89-9)		
Acute			
Dermal			
LD50	Rabbit	> 8000 mg/kg	
Inhalation			
LC50	Rat	> 300 mg/l, 1 Hours	
		> 2,25 mg/l, 4 Hours	
Oral			
LD50	Rat	> 3160 mg/kg	
		25 g/kg	
Skin corrosion/irritation	Prolonged skin contact may car	use temporary irritation.	
Serious eye damage/eye irritation	Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the eye.		
Respiratory sensitisation	No data available.		
Skin sensitisation	Not a skin sensitiser.		
Germ cell mutagenicity	No data available.		
Carcinogenicity	substance which may be poten	o be a carcinogen by IARC, ACGIH, NTP, or OSHA. Contains a tially carcinogenic. Mechanical processing and elevated st. The carcinogenic effect is caused by inhalation of dust particles.	

IARC Monographs. Overall Evaluation of Carcinogenicity		
Antimony/Chromium III/Ti 68186-90-3)	tanium Compound (1,2) (CAS 3 Not classifiable as to carcinogenicity to humans.	
Reproductive toxicity	No data available.	
Specific target organ toxicity - single exposure	No data available.	
Specific target organ toxicity - repeated exposure	No data available.	
Aspiration hazard	Due to the physical form of the product it is not an aspiration hazard.	
Mixture versus substance information	Chronic effects are not expected when this product is used as intended.	
Other information	Not available.	

SECTION 12: Ecological information

12.1. Toxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.	
12.2. Persistence and degradability	The degradability of the product has not been stated.	
12.3. Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.	
Partition coefficient n-octanol/water (log Kow)	Not available.	
Bioconcentration factor (BCF)	Not available.	
12.4. Mobility in soil	Not available.	
12.5. Results of PBT and vPvB assessment	Not available.	
12.6. Other adverse effects	None known.	

SECTION 13: Disposal considerations

13.1. Waste treatment methodsResidual wasteDispose of in accordance with local regulations.Contaminated packagingSince emptied containers retain product residue, follow label warnings even after container is
emptied.EU waste code16 05 09

SECTION 14: Transport information

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

ADN

Not regulated as dangerous goods.

ΙΑΤΑ

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

This substance/mixture is not intended to be transported in bulk.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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 Not listed.

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

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended Not listed.

Poly-Pad 1000

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

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, 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 Not listed.

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

Not regulated.

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

Fiberglass (CAS 65997-17-3)

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work Antimony/Chromium III/Titanium Compound (1,2) (CAS 68186-90-3)

Fiberglass (CAS 65997-17-3)

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

Fiberglass (CAS 65997-17-3)

Other regulations	The product does not need to be 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	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	DNEL: Derived No-Effect Level. PNEC: Predicted No-Effect Concentration. PBT: Persistent, bioaccumulative and toxic. vPvB: Very Persistent and very Bioaccumulative.	
References	Registry of Toxic Effects of Chemical Substances (RTECS) HSDB® - Hazardous Substances Data Bank	
Information on evaluation method leading to the classification of mixture	The mixture is classified based on test data for physical hazards. The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available. For details, refer to Sections 9, 11 and 12.	
Full text of any statements or R-phrases and H-statements under Sections 2 to 15	R20 Harmful by inhalation.	
	H332 Harmful if inhaled.	
Training information	Follow training instructions when handling this material.	
Disclaimer	This Safety Data Sheet was prepared by a globally recognized, third party chemical, regulatory, and compliance information services provider for the Bergquist Company, Thermal Products Division / TIM, and is offered for your consideration and guidance when exposed to this product. The Bergquist Company disclaims all expressed or implied warranties and assumes no responsibility for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process. This Safety Data Sheet may not be changed or altered in any way without the expressed knowledge and permission of The Bergquist Company.	