

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation

Gap Filler 3500S35

of the mixture

Registration number -

Synonyms None.

Product code Part A; GB 7, 10 mils; Potlife 60 mins

Issue date 07-March-2014

Version number 01
Revision date Supersedes date -

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

Identified uses Thermally Conductive Silicone Gap Filler Material used together with Part B.

Uses advised against None known.

1.3. Details of the supplier of the 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 eyes, mucous membranes and respiratory tract.

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 Not applicable.

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.

Gap Filler 3500S35 SDS EU

Disposal Dispose of waste and residues in accordance with local authority requirements.

This product is not hazardous according to Regulation (EC) No 1272/2008 as amended, therefore Supplemental label information

a hazard label does not apply.

2.3. Other hazards Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

The components are not hazardous or are below required disclosure limits.

SECTION 4: First aid measures

General information Get medical attention if any discomfort develops.

4.1. Description of first aid measures

Inhalation Move to fresh air. Get medical attention if symptoms occur.

Wash skin with soap and water. Get medical attention if irritation persists after washing. Skin contact

Flush thoroughly with water. If irritation occurs, get medical assistance. Eye contact Rinse mouth thoroughly. Get medical attention if any discomfort occurs. Ingestion

4.2. Most important symptoms and effects, both acute and

delayed

4.3. Indication of any immediate medical attention and special treatment needed Under normal conditions of intended use, this material does not pose a risk to health.

Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards This product is not flammable.

5.1. Extinguishing media

Suitable extinguishing

media

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing

media

None known.

None.

5.2. Special hazards arising from the substance or mixture

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency

personnel

Avoid contact with skin and eyes. For personal protection, see section 8 of the SDS.

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 Sweep up or gather material and place in appropriate container for disposal. For waste disposal,

see Section 13.

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

Provide adequate ventilation. Avoid contact with skin and eyes. Observe good industrial hygiene practices. Wear appropriate personal protective equipment (See Section 8).

7.2. Conditions for safe storage, including any incompatibilities

Store in closed original container in a dry place. Store away from incompatible materials.

7.3. Specific end use(s) Thermally Conductive Silicone Gap Filler Material used together with Part B.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Gap Filler 3500S35 SDS EU 2/9

Occupational exposure limits

Austria. MAK List

Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	MAK	5 mg/m3	Respirable fraction.
		5 mg/m3	Respirable fume.
		10 mg/m3	Inhalable fraction.
	STEL	20 mg/m3	Inhalable fraction.
		10 mg/m3	Respirable fume.
		10 mg/m3	Respirable fraction.
Belgium. Exposure Limit Values			
Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction.
Bulgaria. OELs. Regulation No 1	3 on protection of workers aga	inst risks of exposure to cher	nical agents at work
Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	10 mg/m3	Dust.
1044 20 1)		1,5 mg/m3	Respirable fraction.
Croatia. Dangerous Substance E	Exposure Limit Values in the Wo	orkplace (ELVs), Annexes 1 a	nd 2, Narodne Novine, 13
Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	MAC	4 mg/m3	Respirable dust.
20 1,		10 mg/m3	Total dust.
Czech Republic. OELs. Governn	nent Decree 361		
Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	0,1 mg/m3	Respirable dust.
Denmark. Exposure Limit Values	3		
	_	V4.1	Form
•	Туре	Value	
Aluminium oxide (CAS	Type TLV	5 mg/m3	Total
Aluminium oxide (CAS			Total Respirable.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex	TLV	5 mg/m3 2 mg/m3	Respirable.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001)	TLV posure Limits of Hazardous Su	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation	Respirable.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components	TLV posure Limits of Hazardous Su	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value	Respirable. on No. 293 of 18 Septemb
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS	TLV posure Limits of Hazardous Su	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3	Respirable. on No. 293 of 18 Septemb
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1)	TLV posure Limits of Hazardous Su Type TWA	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, II	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values (Components)	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, If	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values of Components Aluminium oxide (CAS 1344-28-1)	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, II	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values of Components Aluminium oxide (CAS 1344-28-1) Germany. DFG MAK List (advisor	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos Type VME	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, If Value 10 mg/m3	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust. NRS ED 984
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values of Components Aluminium oxide (CAS 1344-28-1) Germany. DFG MAK List (advisor the Work Area (DFG)	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos Type VME	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, If Value 10 mg/m3	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust. NRS ED 984
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values (COMPONENTS 1344-28-1) Germany. DFG MAK List (advisor the Work Area (DFG)	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos Type VME ory OELs). Commission for the I	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, III Value 10 mg/m3 Investigation of Health Hazard	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust. NRS ED 984 ds of Chemical Compound Form
Components Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values of Components Aluminium oxide (CAS 1344-28-1) Germany. DFG MAK List (advisor in the Work Area (DFG) Components Aluminium oxide (CAS 1344-28-1)	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos Type VME ory OELs). Commission for the	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, III Value 10 mg/m3 Investigation of Health Hazard Value 4 mg/m3	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust. NRS ED 984 ds of Chemical Compound Form Inhalable dust.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values of Components Aluminium oxide (CAS 1344-28-1) Germany. DFG MAK List (advisor the Work Area (DFG) Components Aluminium oxide (CAS 1344-28-1)	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos Type VME ory OELs). Commission for the I Type TWA	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, If Value 10 mg/m3 Investigation of Health Hazard Value 4 mg/m3 1,5 mg/m3	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust. NRS ED 984 ds of Chemical Compoun Form
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values (CAS 1344-28-1) Germany. DFG MAK List (advisor n the Work Area (DFG) Components Aluminium oxide (CAS 1344-28-1) Germany. TRGS 900, Limit Value	TLV Tope TWA (VLEP) for Occupational Expose Type VME Type VME Type Type TWA Type TWA Type TWA	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, III Value 10 mg/m3 Investigation of Health Hazard Value 4 mg/m3 1,5 mg/m3 rkplace	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust. NRS ED 984 ds of Chemical Compound Form Inhalable dust.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values of Components Aluminium oxide (CAS 1344-28-1) Germany. DFG MAK List (advisor the Work Area (DFG) Components Aluminium oxide (CAS 1344-28-1)	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos Type VME ory OELs). Commission for the I Type TWA	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, If Value 10 mg/m3 Investigation of Health Hazard Value 4 mg/m3 1,5 mg/m3	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust. NRS ED 984 ds of Chemical Compoun Form Inhalable dust. Respirable dust.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values (CAS 1344-28-1) Germany. DFG MAK List (advisor n the Work Area (DFG) Components Aluminium oxide (CAS 1344-28-1) Germany. TRGS 900, Limit Value (CAS 1344-28-1)	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos Type VME ory OELs). Commission for the I Type TWA es in the Ambient Air at the World Type	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, III Value 10 mg/m3 Investigation of Health Hazard Value 4 mg/m3 1,5 mg/m3 rkplace Value	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust. NRS ED 984 ds of Chemical Compound Form Inhalable dust. Respirable dust. Respirable dust.

Gap Filler 3500S35 SDS EU

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

Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	5 mg/m3	Inhalable
1344-20-1)		10 mg/m3	Respirable.
lungary. OELs. Joint Decree or	Chemical Safety of Workplace	s	
Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	6 mg/m3	Respirable.
•	999 on occupational exposure I	imits	
Components	Туре	Value	
Aluminium oxide (CAS 1344-28-1)	TWA	10 mg/m3	
reland. Occupational Exposure	Limits		
Components	Туре	Value	Form
Aluminium oxide (CAS	TWA	4 mg/m3	Respirable dust.
1344-28-1)		10 mg/m3	Total inhalable dust.
taly. OELs			
Components	Туре	Value	Form
Aluminium oxide (CAS	TWA	1 mg/m3	Respirable fraction.
1344-28-1) Latvia, OFLs, Occupational exp	osure limit values of chemical s	ubstances in work environme	ent
			Form
Components Aluminium oxide (CAS	Type TWA	Value 6 mg/m3	Decomposition aerosc
1344-28-1)	1 447 (o mg/mo	Decomposition across
1011 20 1)			
,	or Chamical Substances Consu	4 mg/m3	UN 22-2007\
Lithuania. OELs. Limit Values f	or Chemical Substances, Gener	al Requirements (Hygiene No	
Lithuania. OELs. Limit Values fo	Туре	al Requirements (Hygiene No Value	Form
Lithuania. OELs. Limit Values f		val Requirements (Hygiene No Value 5 mg/m3	Form Inhalable fraction.
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1)	Type TWA	Value 5 mg/m3 2 mg/m3	Form
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1)	Туре	Value 5 mg/m3 2 mg/m3	Form Inhalable fraction.
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components	Type TWA for Contaminants in the Workpla Type	Value 5 mg/m3 2 mg/m3 ace Value	Form Inhalable fraction.
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS	Type TWA for Contaminants in the Workpla	Value 5 mg/m3 2 mg/m3 ace	Form Inhalable fraction.
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1)	Type TWA for Contaminants in the Workpla Type	Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3	Form Inhalable fraction. Respirable fraction.
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1)	Type TWA for Contaminants in the Workpla Type TLV	Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3	Form Inhalable fraction. Respirable fraction.
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1) Poland. MACs. Minister of Labor Working Environment Components	Type TWA For Contaminants in the Workpla Type TLV ur and Social Policy Regarding Type	Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3 Maximum Allowable Concent	Form Inhalable fraction. Respirable fraction. rations and Intensities in
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1) Poland. MACs. Minister of Labor Working Environment Components Aluminium oxide (CAS 1344-28-1)	Type TWA for Contaminants in the Workpla Type TLV ur and Social Policy Regarding	Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3	Form Inhalable fraction. Respirable fraction. rations and Intensities in
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1) Poland. MACs. Minister of Labor Working Environment Components	Type TWA For Contaminants in the Workpla Type TLV ur and Social Policy Regarding Type	Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3 Maximum Allowable Concent	Form Inhalable fraction. Respirable fraction. rations and Intensities in Form Fume, total dust.
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1) Poland. MACs. Minister of Labor Working Environment Components Aluminium oxide (CAS 1344-28-1)	Type TWA For Contaminants in the Workpla Type TLV ur and Social Policy Regarding Type	Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3 Maximum Allowable Concent Value 2,5 mg/m3 1,2 mg/m3	Form Inhalable fraction. Respirable fraction. rations and Intensities in Form Fume, total dust. Respirable dust and/or
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1) Poland. MACs. Minister of Labor Working Environment Components Aluminium oxide (CAS 1344-28-1)	Type TWA for Contaminants in the Workpla Type TLV ur and Social Policy Regarding Type TWA	Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3 Maximum Allowable Concent Value 2,5 mg/m3 1,2 mg/m3	Form Inhalable fraction. Respirable fraction. rations and Intensities in Form Fume, total dust. Respirable dust and/or
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1) Poland. MACs. Minister of Labor Working Environment Components Aluminium oxide (CAS 1344-28-1) Portugal. VLEs. Norm on occup Components Aluminium oxide (CAS 1344-28-1)	Type TWA for Contaminants in the Workpla Type TLV ur and Social Policy Regarding Type TWA ational exposure to chemical age	Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3 Maximum Allowable Concent Value 2,5 mg/m3 1,2 mg/m3	Form Inhalable fraction. Respirable fraction. rations and Intensities in Form Fume, total dust. Respirable dust and/or
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1) Poland. MACs. Minister of Labor Working Environment Components Aluminium oxide (CAS 1344-28-1) Portugal. VLEs. Norm on occup Components Aluminium oxide (CAS 1344-28-1)	Type TWA for Contaminants in the Workpla Type TLV ur and Social Policy Regarding Type TWA ational exposure to chemical age Type TWA	Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3 Maximum Allowable Concent Value 2,5 mg/m3 1,2 mg/m3 Jents (NP 1796) Value 10 mg/m3	Form Inhalable fraction. Respirable fraction. rations and Intensities in Form Fume, total dust. Respirable dust and/or
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1) Poland. MACs. Minister of Labor Working Environment Components Aluminium oxide (CAS 1344-28-1) Portugal. VLEs. Norm on occup Components Aluminium oxide (CAS 1344-28-1) Romania. OELs. Protection of well as the component of the componen	Type TWA Type TLV ur and Social Policy Regarding Type TWA ational exposure to chemical age Type TWA TWA rorkers from exposure to chemic	Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3 Maximum Allowable Concent Value 2,5 mg/m3 1,2 mg/m3 1,2 mg/m3 cal agents at the workplace	Form Inhalable fraction. Respirable fraction. rations and Intensities in Form Fume, total dust. Respirable dust and/or fume.
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1) Poland. MACs. Minister of Labor Working Environment Components Aluminium oxide (CAS 1344-28-1) Portugal. VLEs. Norm on occup Components Aluminium oxide (CAS 1344-28-1) Romania. OELs. Protection of we Components	Type TWA for Contaminants in the Workpla Type TLV ur and Social Policy Regarding Type TWA ational exposure to chemical active Type TWA rorkers from exposure to chemic	Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3 Maximum Allowable Concent Value 2,5 mg/m3 1,2 mg/m3 1,2 mg/m3 cents (NP 1796) Value 10 mg/m3 cal agents at the workplace Value	Form Inhalable fraction. Respirable fraction. rations and Intensities in Form Fume, total dust. Respirable dust and/or fume. Form
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1) Poland. MACs. Minister of Labor Working Environment Components Aluminium oxide (CAS 1344-28-1) Portugal. VLEs. Norm on occup Components Aluminium oxide (CAS 1344-28-1) Romania. OELs. Protection of well as the component of the componen	Type TWA Type TLV ur and Social Policy Regarding Type TWA ational exposure to chemical age Type TWA TWA rorkers from exposure to chemic	Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3 Maximum Allowable Concent Value 2,5 mg/m3 1,2 mg/m3 1,2 mg/m3 cal agents at the workplace	Form Inhalable fraction. Respirable fraction. rations and Intensities in Form Fume, total dust. Respirable dust and/or fume.
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1) Poland. MACs. Minister of Labor Working Environment Components Aluminium oxide (CAS 1344-28-1) Portugal. VLEs. Norm on occup Components Aluminium oxide (CAS 1344-28-1) Romania. OELs. Protection of we Components Aluminium oxide (CAS 1344-28-1)	Type TWA for Contaminants in the Workpla Type TLV ur and Social Policy Regarding Type TWA ational exposure to chemical ag Type TWA rorkers from exposure to chemic Type STEL	Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3 Maximum Allowable Concent Value 2,5 mg/m3 1,2 mg/m3 1,2 mg/m3 cal agents at the workplace Value 5 mg/m3 1,2 ppm	Form Inhalable fraction. Respirable fraction. rations and Intensities in Form Fume, total dust. Respirable dust and/or fume. Form Aerosol Aerosol
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1) Poland. MACs. Minister of Labor Working Environment Components Aluminium oxide (CAS 1344-28-1) Portugal. VLEs. Norm on occup Components Aluminium oxide (CAS 1344-28-1) Romania. OELs. Protection of we Components Aluminium oxide (CAS 1344-28-1)	Type TWA for Contaminants in the Workpla Type TLV ur and Social Policy Regarding Type TWA ational exposure to chemical active Type TWA rorkers from exposure to chemic	Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3 Maximum Allowable Concent Value 2,5 mg/m3 1,2 mg/m3 1,2 mg/m3 cal agents at the workplace Value 5 mg/m3	Form Inhalable fraction. Respirable fraction. rations and Intensities in Form Fume, total dust. Respirable dust and/o fume. Form Aerosol

Slovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents

Components	Туре	Value	Form
Aluminium oxide (CAS	TWA	Value 4 mg/m3	Inhalable fraction.
1344-28-1)	TWA	1,5 mg/m3 0,1 mg/m3	Respirable fraction.
Spain. Occupational Exposu	ure Limits	, ,	
Components	Туре	Value	
Aluminium oxide (CAS 1344-28-1)	TWA	10 mg/m3	
Sweden. Occupational Expo	sure Limit Values		
Components	Туре	Value	Form
Aluminium oxide (CAS	TWA	5 mg/m3	Total dust.
1344-28-1)		2 mg/m3	Respirable dust.
Switzerland. SUVA Grenzwe	erte am Arbeitsplatz	2 mg/mo	recopilable addi.
Components	Type	Value	Form
Aluminium oxide (CAS	STEL	24 mg/m3	Fume and respirable
1344-28-1)	TWA	2 m a/m 2	dust.
	IVVA	3 mg/m3 3 mg/m3	Respirable dust. Fume and respirable
		J J	dust.
UK. EH40 Workplace Expos	ure Limits (WELs)		
Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	4 mg/m3	Respirable dust.
Jogical limit values	No biological exposure limits noted for th	10 mg/m3	Inhalable dust.
ological limit values commended monitoring	Follow standard monitoring procedures.	e ingredieni(s).	
ocedures	Tollow standard morntoning procedures.		
rived no-effect level (DNEL)	Not available.		
edicted no effect ncentrations (PNECs)	Not available.		
posure guidelines	Follow standard monitoring procedures.		
. Exposure controls			
propriate engineering ntrols	Use process enclosures, local exhaust volevels below recommended exposure lim		ing controls to control airbo
	such as personal protective equipment		
General information	Use personal protective equipment as re according to the CEN standards and in d equipment.		
Eye/face protection	Risk of contact: Wear approved safety go	oggles.	
Skin protection			
- Hand protection	Use suitable protective gloves if risk of skin contact. Suitable gloves can be recommended by the glove supplier.		
- Other	If prolonged or repeated contact is likely, chemical resistant clothing is recommended.		
Respiratory protection	In case of inadequate ventilation, use res		
Thermal hazards	Wear appropriate thermal protective cloth	*	ofter handling the material
giene measures	Always observe good personal hygiene r and before eating, drinking, and/or smok equipment to remove contaminants. Disc cleaned.	ing. Routinely wash work cl	othing and protective
vironmental exposure ntrols	Environmental manager must be informe	ed of all major releases.	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.
Physical state Liquid.
Form Liquid.
Colour White.
Odour Slight.

Odour threshold Not relevant.

PH Not relevant.

Melting point/freezing point Not relevant.

Initial boiling point and boiling Not relevant.

range

Flash point Not relevant.

Evaporation rate Not relevant.

Flammability (solid, gas) Not relevant.

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not relevant.

Flammability limit - upper

(%)

Not relevant.

Explosive limit - lower (%)
Explosive limit - upper

Not relevant. Not relevant.

(%)

Vapour pressureNot relevant.Vapour densityNot relevant.

Solubility(ies) Insoluble in water.

Partition coefficient

Not relevant.

(n-octanol/water)

Auto-ignition temperatureNot relevant.Decomposition temperatureNot relevant.ViscosityNot available.Explosive propertiesNot relevant.Oxidizing propertiesNot relevant.

9.2. Other information

Bulk densityNot relevant.Density3,00 g/cc (25 °C)VOC (Weight %)Not available.

SECTION 10: Stability and reactivity

10.1. ReactivityThe 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 Hazardous polymerisation does not occur.

reactions

10.4. Conditions to avoidContact with incompatible materials.

10.5. Incompatible materials Strong oxidising agents.

10.6. Hazardous None.

decomposition products

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 Not likely, due to the form of the product.

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.

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.

Skin corrosion/irritation Not classified. Serious eye damage/eye

irritation

Not classified.

Respiratory sensitisation Not classified. Not classified. Skin sensitisation Germ cell mutagenicity Not classified. 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 Mixture versus substance

information

Not classified. None known.

Other information

None known.

SECTION 12: Ecological information

The product is not classified as environmentally hazardous. 12.1. Toxicity

12.2. Persistence and

degradability

No data available.

12.3. Bioaccumulative potential No data available. Partition coefficient Not relevant.

n-octanol/water (log Kow)

Not available. **Bioconcentration factor (BCF)**

The product is insoluble in water. 12.4. Mobility in soil

Not a PBT or vPvB substance or mixture. 12.5. Results of PBT

and vPvB assessment

12.6. Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Disposal recommendations are based on material as supplied. Disposal must be in accordance

with current applicable laws and regulations, and material characteristics at time of disposal.

Since emptied containers retain product residue, follow label warnings even after container is Contaminated packaging

07 02 17 The Waste code should be assigned in discussion between the user, the producer and EU waste code

the waste disposal company.

SECTION 14: Transport information

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

ADN

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Code

Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC This substance/mixture is not intended to be transported in bulk.

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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.

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

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

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

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

Not listed.

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

Not listed.

Other EU regulations

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

Not listed

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

Not listed.

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

Not listed.

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 Not available.

15.2. Chemical safety No Chemical Safety Assessment has been carried out.

assessment

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 ESIS (European chemical Substances Information System)

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 None.

Training information Follow training instructions when handling this material.

Gap Filler 3500S35 SDS EU

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.



SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation

Gap Filler 3500S35

of the mixture

Registration number

Synonyms None.

Product code Part B; GB 7, 10 mils; Potlife 60 mins

Issue date 07-March-2014

Version number 01
Revision date Supersedes date -

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

Identified uses Thermally Conductive Silicone Gap Filler Material used together with Part A.

Uses advised against None known.

1.3. Details of the supplier of the 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 eyes, mucous membranes and respiratory tract.

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 Not applicable.

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.

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Disposal Dispose of waste and residues in accordance with local authority requirements.

This product is not hazardous according to Regulation (EC) No 1272/2008 as amended, therefore Supplemental label information

a hazard label does not apply.

2.3. Other hazards Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

The components are not hazardous or are below required disclosure limits.

SECTION 4: First aid measures

General information Get medical attention if any discomfort develops.

4.1. Description of first aid measures

Inhalation Move to fresh air. Get medical attention if symptoms occur.

Treat symptomatically.

Wash skin with soap and water. Get medical attention if irritation persists after washing. Skin contact

Flush thoroughly with water. If irritation occurs, get medical assistance. Eye contact Rinse mouth thoroughly. Get medical attention if any discomfort occurs. Ingestion

4.2. Most important symptoms and effects, both acute and

delayed

4.3. Indication of any immediate medical attention and special treatment needed Under normal conditions of intended use, this material does not pose a risk to health.

SECTION 5: Firefighting measures

General fire hazards This product is not flammable.

5.1. Extinguishing media

Suitable extinguishing

media

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing

media

None known.

None.

5.2. Special hazards arising

from the substance or mixture

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency

personnel

Avoid contact with skin and eyes. For personal protection, see section 8 of the SDS.

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 Sweep up or gather material and place in appropriate container for disposal. For waste disposal,

see Section 13.

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

Provide adequate ventilation. Avoid contact with skin and eyes. Observe good industrial hygiene practices. Wear appropriate personal protective equipment (See Section 8).

7.2. Conditions for safe storage, including any incompatibilities

Store in closed original container in a dry place. Store away from incompatible materials.

7.3. Specific end use(s) Thermally Conductive Silicone Gap Filler Material used together with Part A.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Gap Filler 3500S35 SDS EU

Occupational exposure limits

Austria. MAK List

Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	MAK	5 mg/m3	Respirable fraction.
		5 mg/m3	Respirable fume.
		10 mg/m3	Inhalable fraction.
	STEL	20 mg/m3	Inhalable fraction.
		10 mg/m3	Respirable fume.
		10 mg/m3	Respirable fraction.
Belgium. Exposure Limit Values			
Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction.
Bulgaria. OELs. Regulation No 1	3 on protection of workers aga	inst risks of exposure to cher	nical agents at work
Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	10 mg/m3	Dust.
1044 20 1)		1,5 mg/m3	Respirable fraction.
Croatia. Dangerous Substance E	Exposure Limit Values in the Wo	orkplace (ELVs), Annexes 1 a	nd 2, Narodne Novine, 13
Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	MAC	4 mg/m3	Respirable dust.
20 1,		10 mg/m3	Total dust.
Czech Republic. OELs. Governn	nent Decree 361		
Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	0,1 mg/m3	Respirable dust.
Denmark. Exposure Limit Values	3		
	_	V4.1	Form
•	Туре	Value	
Aluminium oxide (CAS	Type TLV	5 mg/m3	Total
Aluminium oxide (CAS			Total Respirable.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex	TLV	5 mg/m3 2 mg/m3	Respirable.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001)	TLV posure Limits of Hazardous Su	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation	Respirable.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components	TLV posure Limits of Hazardous Su	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value	Respirable. on No. 293 of 18 Septemb
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS	TLV posure Limits of Hazardous Su	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3	Respirable. on No. 293 of 18 Septemb
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1)	TLV posure Limits of Hazardous Su Type TWA	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, II	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values (Components)	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, If	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values of Components Aluminium oxide (CAS 1344-28-1)	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, II	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values of Components Aluminium oxide (CAS 1344-28-1) Germany. DFG MAK List (advisor	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos Type VME	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, If Value 10 mg/m3	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust. NRS ED 984
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values of Components Aluminium oxide (CAS 1344-28-1) Germany. DFG MAK List (advisor the Work Area (DFG)	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos Type VME	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, If Value 10 mg/m3	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust. NRS ED 984
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values (COMPONENTS 1344-28-1) Germany. DFG MAK List (advisor the Work Area (DFG)	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos Type VME ory OELs). Commission for the I	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, III Value 10 mg/m3 Investigation of Health Hazard	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust. NRS ED 984 ds of Chemical Compound Form
Components Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values of Components Aluminium oxide (CAS 1344-28-1) Germany. DFG MAK List (advisor in the Work Area (DFG) Components Aluminium oxide (CAS 1344-28-1)	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos Type VME ory OELs). Commission for the	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, III Value 10 mg/m3 Investigation of Health Hazard Value 4 mg/m3	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust. NRS ED 984 ds of Chemical Compound Form Inhalable dust.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values of Components Aluminium oxide (CAS 1344-28-1) Germany. DFG MAK List (advisor the Work Area (DFG) Components Aluminium oxide (CAS 1344-28-1)	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos Type VME ory OELs). Commission for the I Type TWA	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, If Value 10 mg/m3 Investigation of Health Hazard Value 4 mg/m3 1,5 mg/m3	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust. NRS ED 984 ds of Chemical Compoun Form
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values (CAS 1344-28-1) Germany. DFG MAK List (advisor n the Work Area (DFG) Components Aluminium oxide (CAS 1344-28-1) Germany. TRGS 900, Limit Value	TLV Tope TWA (VLEP) for Occupational Expose Type VME Type VME Type Type TWA Type TWA Type TWA	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, III Value 10 mg/m3 Investigation of Health Hazard Value 4 mg/m3 1,5 mg/m3 rkplace	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust. NRS ED 984 ds of Chemical Compound Form Inhalable dust.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values of Components Aluminium oxide (CAS 1344-28-1) Germany. DFG MAK List (advisor the Work Area (DFG) Components Aluminium oxide (CAS 1344-28-1)	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos Type VME ory OELs). Commission for the I Type TWA	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, If Value 10 mg/m3 Investigation of Health Hazard Value 4 mg/m3 1,5 mg/m3	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust. NRS ED 984 ds of Chemical Compoun Form Inhalable dust. Respirable dust.
Aluminium oxide (CAS 1344-28-1) Estonia. OELs. Occupational Ex 2001) Components Aluminium oxide (CAS 1344-28-1) France. Threshold Limit Values (CAS 1344-28-1) Germany. DFG MAK List (advisor n the Work Area (DFG) Components Aluminium oxide (CAS 1344-28-1) Germany. TRGS 900, Limit Value (CAS 1344-28-1)	TLV posure Limits of Hazardous Su Type TWA (VLEP) for Occupational Expos Type VME ory OELs). Commission for the I Type TWA es in the Ambient Air at the World Type	5 mg/m3 2 mg/m3 bstances. (Annex of Regulation Value 4 mg/m3 10 mg/m3 ure to Chemicals in France, III Value 10 mg/m3 Investigation of Health Hazard Value 4 mg/m3 1,5 mg/m3 rkplace Value	Respirable. on No. 293 of 18 Septemb Form Respirable dust. Total dust. NRS ED 984 ds of Chemical Compound Form Inhalable dust. Respirable dust. Respirable dust.

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

Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	5 mg/m3	Inhalable
		10 mg/m3	Respirable.
lungary. OELs. Joint Decree or	n Chemical Safety of Workplaces	5	
Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	6 mg/m3	Respirable.
celand. OELs. Regulation 154/1	999 on occupational exposure I	imits	
Components	Туре	Value	
Aluminium oxide (CAS 1344-28-1)	TWA	10 mg/m3	
reland. Occupational Exposure	Limits		
Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	4 mg/m3	Respirable dust.
1044-20-1)		10 mg/m3	Total inhalable dust.
taly. OELs			
Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction.
_atvia. OELs. Occupational exp	osure limit values of chemical s	ubstances in work environme	ent
Components	Туре	Value	Form
Aluminium oxide (CAS	TWA	6 mg/m3	Decomposition aeroso
1344-28-1) `		Sg,s	•
1344-28-1)		4 mg/m3	·
1344-28-1)	or Chemical Substances, Gener	4 mg/m3	·
1344-28-1) Lithuania. OELs. Limit Values f Components		4 mg/m3	·
1344-28-1)	or Chemical Substances, Gener	4 mg/m3 al Requirements (Hygiene No Value 5 mg/m3	Form Inhalable fraction.
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1)	for Chemical Substances, Gener Type TWA	4 mg/m3 al Requirements (Hygiene No Value 5 mg/m3 2 mg/m3	orm HN 23:2007) Form
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1)	or Chemical Substances, Gener Type	4 mg/m3 al Requirements (Hygiene No Value 5 mg/m3 2 mg/m3	Form Inhalable fraction.
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components	for Chemical Substances, Gener Type TWA for Contaminants in the Workpla	4 mg/m3 al Requirements (Hygiene No Value 5 mg/m3 2 mg/m3 ace Value	Form Inhalable fraction.
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS	Type TWA Tor Contaminants in the Workpla	4 mg/m3 al Requirements (Hygiene No Value 5 mg/m3 2 mg/m3 ace	Form Inhalable fraction.
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1)	for Chemical Substances, Gener Type TWA for Contaminants in the Workpla	4 mg/m3 al Requirements (Hygiene No Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3	Form Inhalable fraction. Respirable fraction.
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1) Poland. MACs. Minister of Labo	Type TWA for Contaminants in the Workpla Type TLV Four and Social Policy Regarding	4 mg/m3 al Requirements (Hygiene No Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3	Form Inhalable fraction. Respirable fraction.
Lithuania. OELs. Limit Values for Components Aluminium oxide (CAS 1344-28-1) Norway. Administrative Norms for Components Aluminium oxide (CAS 1344-28-1) Poland. MACs. Minister of Labor Norking Environment Components Aluminium oxide (CAS 1344-28-1)	Type TWA Type Tor Contaminants in the Workpla Type Type Type TLV	4 mg/m3 al Requirements (Hygiene No Value 5 mg/m3 2 mg/m3 ace Value 10 mg/m3 Maximum Allowable Concent	Form Inhalable fraction. Respirable fraction.
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Slovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents

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Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	4 mg/m3	Inhalable fraction.
1011 20 1)		1,5 mg/m3	Respirable fraction.
		0,1 mg/m3	
Spain. Occupational Exposu	ıre Limits		
Components	Туре	Value	
Aluminium oxide (CAS 1344-28-1)	TWA	10 mg/m3	
Sweden. Occupational Expo	sure Limit Values		
Components	Туре	Value	Form
Aluminium oxide (CAS	TWA	5 mg/m3	Total dust.
1344-28-1)		2 2	Desminable dust
Civitational CHVA Cronsus	unto aux Aula sita ulata	2 mg/m3	Respirable dust.
Switzerland. SUVA Grenzwe	rte am Arbeitsplatz		
Components	Туре	Value	Form
Aluminium oxide (CAS	STEL	24 mg/m3	Fume and respirable dust.
1344-28-1)	TWA	3 mg/m3	Respirable dust.
		3 mg/m3	Fume and respirable
III. FIII. Washinda a Firman	and I had to (MEL a)		dust.
UK. EH40 Workplace Exposi	, ,		_
Components	Туре	Value	Form
Aluminium oxide (CAS 1344-28-1)	TWA	4 mg/m3	Respirable dust.
1044 20 1)		10 mg/m3	Inhalable dust.
logical limit values	No biological exposure limits noted for th	ne ingredient(s).	
commended monitoring	Follow standard monitoring procedures.		
cedures			
ived no-effect level (DNEL)	Not available.		
dicted no effect acentrations (PNECs)	Not available.		
osure guidelines	Follow standard monitoring procedures.		
Exposure controls			
propriate engineering atrols	Use process enclosures, local exhaust vilevels below recommended exposure lim		ring controls to control airbo
ividual protection measures,	such as personal protective equipment	t	
General information	Use personal protective equipment as re according to the CEN standards and in dequipment.		
Eye/face protection	Risk of contact: Wear approved safety go	oggles.	
Skin protection			
Hand metastian	Use suitable protective gloves if risk of sl glove supplier.	-	·
- Hand protection			
- Other	If prolonged or repeated contact is likely,		is recommended.
- Other Respiratory protection	In case of inadequate ventilation, use res	spiratory protection.	is recommended.
- Other	In case of inadequate ventilation, use res Wear appropriate thermal protective clot	spiratory protection. thing, when necessary.	
- Other Respiratory protection	In case of inadequate ventilation, use res	spiratory protection. thing, when necessary. measures, such as washing king. Routinely wash work of card contaminated clothing	after handling the materia

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

AppearanceLiquid.Physical stateLiquid.FormLiquid.ColourBlue.OdourSlight.

Odour thresholdNot relevant.pHNot relevant.Melting point/freezing pointNot relevant.Initial boiling point and boilingNot relevant.

range

Flash point Not relevant.

Evaporation rate Not relevant.

Flammability (solid, gas) Not relevant.

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not relevant.

Flammability limit - upper

(%)

Not relevant.

Explosive limit - lower (%)
Explosive limit - upper

Not relevant. Not relevant.

(%)

Vapour pressure Not relevant.
Vapour density Not relevant.

Solubility(ies) Insoluble in water.

Partition coefficient

(n-octanol/water)

Not relevant.

Auto-ignition temperature Not relevant.

Decomposition temperature Not relevant.

Viscosity Not available.

Explosive properties Not relevant.

Oxidizing properties Not relevant.

9.2. Other information

Bulk densityNot relevant.Density3,00 g/cc (25 °C)VOC (Weight %)Not available.

SECTION 10: Stability and reactivity

10.1. ReactivityThe 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 Hazardous polymerisation does not occur.

reactions

10.4. Conditions to avoidContact with incompatible materials.

10.5. Incompatible materials Strong oxidising agents.

10.6. Hazardous None.

decomposition products

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 Not likely, due to the form of the product.

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.

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 toxicityUnder normal conditions of intended use, this material does not pose a risk to health.

Skin corrosion/irritation Not classified.
Serious eye damage/eye Not classified.

irritation

Respiratory sensitisation Not classified.

Skin sensitisation Not classified.

Germ cell mutagenicity Not classified.

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
Mixture versus substance

information

Not classified.

Other information

None known.

SECTION 12: Ecological information

12.1. Toxicity The product is not classified as environmentally hazardous.

12.2. Persistence and

degradability

No data available.

12.3. Bioaccumulative potential No data available.Partition coefficient Not relevant.

n-octanol/water (log Kow)

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil The product is insoluble in water.

12.5. Results of PBTNot a PBT or vPvB substance or mixture.

and vPvB assessment

12.6. Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Disposal recommendations are based on material as supplied. Disposal must be in accordance

with current applicable laws and regulations, and material characteristics at time of disposal.

Contaminated packaging Since emptied containers retain product residue, follow label warnings even after container is

emptied.

EU waste code 07 02 17 The Waste code should be assigned in discussion between the user, the producer and

the waste disposal company.

SECTION 14: Transport information

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

ADN

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Code

Not regulated as dangerous goods.

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

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

Gap Filler 3500S35 SDS EU

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

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

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

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

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

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

Not listed.

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

Not listed.

Other EU regulations

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

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work Not listed.

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

Not listed.

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.

Not available. **National regulations**

15.2. Chemical safety No Chemical Safety Assessment has been carried out.

assessment

SECTION 16: Other information

DNEL: Derived No-Effect Level. List of abbreviations

> PNEC: Predicted No-Effect Concentration. PBT: Persistent, bioaccumulative and toxic. vPvB: Very Persistent and very Bioaccumulative.

ESIS (European chemical Substances Information System) 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

None.

Training information Follow training instructions when handling this material.

Gap Filler 3500S35 SDS EU

Disclaimer

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