

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
 Product name. : BLOC-IT® HEAT-ABSORBING PASTE

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Main use category : Industrial use, Professional use
 Use of the substance/mixture : Heat-absorbing compound

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

LA-CO Industries Europe S.A.S.
 Parc Industriel de la Plaine de
 l'Ain - Allée des Combes.
 01150.BLYES.France.
 Phone: +33 (0)4 74 46 23 23
 Fax: +33 (0)4 74 46 23 29
 E-mail: info@eu.laco.com
 Web: http://www.markal.com

1.4. Emergency telephone number

Emergency number : 24-hour emergency: CHEMTREC- U.S. : 1-800-424-9300 International: +1-703-527-3887

EU Member State	Officieel adviesorgaan	Adres	Noodnummer
AUSTRIA	Vergiftungsinformationszentrale (Poisons Information Centre)	Allgemeines Krankenhaus Waehringer Geurtel 18-20 1090 Wien	+43 1 406 43 43
BELARUS	The Belarus Republican Poisons Centre	Kizhevatova str. 58 Minsk 220115	+375 (0)17 201 9158
BELGIUM	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 B -1120 Bruxelles/Brussel	+32 70 245 245
BULGARIA	Национален токсикологичен информационен център National Clinical Toxicology Centre, Emergency Medical Institute "Pirogov"	21 Tottleben Boulevard 1606 SOFIA	+359 2 9154 409
CROATIA	Poisons Control Centre Institute of Medical Research & Occupational Health	Ksaverska Cesta 2 P.O. Box 291 HR-10000 Zagreb	+385 1 234 8342
CZECH REPUBLIC	Toxikologické informační středisko Clinic For Occupational Medicine, 1st Medical Faculty, Charles University	Na Bojišti 1 120 00 Praha 2	+42 2 2491 9293 +42 2 2491 5402
DENMARK	Gifftlinjen Bispebjerg Hospital	Bispebjerg Bakke 23, 60, 1 DK-2400 København NV	+45 82 12 12 12 +45 35 31 55 55
ESTONIA	Mürgistusteabekeskus	Gonsiori 29 15027 Tallinn	+372 626 93 90
FINLAND	Myrkytystietokeskus	P.O.B 340 (Haartmaninkatu 4) HUS SF - 00029 Helsinki	+358 9 471 977
FRANCE	ORFILA		+33 1 45 42 59 59
GERMANY	Berliner Betrieb für Zentrale Gesundheitliche Aufgaben	Oranienburger Strasse 285 13437 Berlin	+49 30 19240
GERMANY	Informations und Beratungszentrum für Vergiftungsfälle	Kirrberger Straße, Gebäude 9 D-66421 Homburg/Saar	+49 6841 19240
GERMANY	Beratungsstelle bei Vergiftungen, Klinische Toxikologie und Beratungsstelle bei Vergiftungen	Langenbeckstrasse 1 55131 Mainz	+49 6131 19240
GREECE	Poisons Information Centre	11527 Athens	+30 10 779 3777
HUNGARY	Országos Kémiai Biztonsági Intézet (National Institute of Chemical Safety) Egészségügyi Toxikológiai Tájékoztató Szolgálat (Health Toxicological Information Service)	1437 Budapest PO Box 839 1097 Budapest, Nagyvárad tér 2	+36 80 20 11 99
ICELAND	Eitrunarmiðstöðin	Eitrunarmiðstöðin 108 Reykjavik	+354 543 22 22
IRELAND	National Poisons Information Centre	Beaumont Hospital PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2166
LATVIA	Valsts Toksikoloģijas centra Saindēšanās un zāļu informācijas centrs	2 Hipocrate Street LV 1038 Riga	+371 67 04 24 73

BLOC-IT® HEAT-ABSORBING PASTE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

LITHUANIA	Apsinuodijimų kontrolės ir informacijos biuras	Siltnamiu 29 2043 Vilnius	+370 5 236 20 52/+370 687 53 378
MALTA	Medicines & Poisons Info Office	Mater Dei Hospital, Msida MSD 2090 Malta	25450000
NETHERLANDS	Nationaal Vergiftigingen Informatie Centrum National Institute for Public Health and the Environment, NB this service is only available to health professionals	Huispostnummer B.00.118, PO Box 85500 3508 GA Utrecht	+31 30 274 88 88
PORTUGAL	Centro de Informação Antivenenos Instituto Nacional de Emergência Médica (INEM)	Rua Almirante Barroso, 36 1000-013 Lisboa	808 250 143 (for use only in Portugal), +351 21 330 3284
ROMANIA	Biroul pentru Regulamentul Sanitar International si Informare Toxicologica	Str. Dr. Leonte Anastasievici Nr.1-3, Sector 5 50463 Bucuresti	+40 21 318 36 06
SLOVAKIA	Národné toxikologické informačné centrum University Hospital Bratislava	Limbová 5 833 05 Bratislava	+421 2 54 77 4 166
SPAIN	Servicio de Información Toxicológica Instituto Nacional de Toxicología, Departamento de Madrid	Calle Luis Cabrera 9 E-28002 Madrid	+34 91 562 04 20
SWEDEN	Giftinformationscentralen Swedish Poisons Information Centre, Karolinska Hospital	Box 60 500 SE-171 76 Stockholm	+46 8 33 12 31 (International) 112 (National)
SWITZERLAND	Centre Suisse d'Information Toxicologique	Freiestrasse 16 Postfach CH-8028 Zurich	+41 44 251 51 51 (International) 145 (National)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH phrases : EUH210 - Safety data sheet available on request

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Components with health hazards above the applicable thresholds and/or Exposure Limit values are shown. Exact concentrations withheld as trade secret.

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
hectorite	(CAS No) 12173-47-6 (EC no) 235-340-0	1 – 9	Not classified	Eye Irrit. 2, H319
Magnesium oxide	(CAS No) 1309-48-4 (EC no) 215-171-9	0.1 – 1	Not classified	Not classified
Titanium dioxide	(CAS No) 13463-67-7 (EC no) 236-675-5	0.01 – 0.1	Not classified	Carc. 2, H351
Silica gel	(CAS No) 112926-00-8 (EC no) *601-214-2	0 – 0.01	Not classified	Not classified
Aluminum hydroxide	(CAS No) 21645-51-2 (EC no) 244-492-7	0 – 0.01	Not classified	Not classified
Silicon dioxide (cristobalite)	(CAS No) 14808-60-7 (EC no) 238-878-4	0 – 0.01	Not classified	Carc. 1A, H350i
Aluminum oxide	(CAS No) 1344-28-1 (EC no) 215-691-6	0 – 0.01	Not classified	Not classified

Full text of R-, H- and EUH-phrases: see section 16

BLOC-IT® HEAT-ABSORBING PASTE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Assure fresh air breathing.
- First-aid measures after skin contact : Wash skin with mild soap and water.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Call a POISON CENTER/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

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

No special procedures required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not flammable.
- Hazardous decomposition products in case of fire : Carbon monoxide.

5.3. Advice for firefighters

- Firefighting instructions : Do not allow run-off from fire fighting to enter drains or water courses.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Fire-resistant protective clothing. Wear a self contained breathing apparatus. EN469.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : This product is not hazardous.

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Emergency procedures : No additional risk management measures required.

6.2. Environmental precautions

Contains no substances known to be hazardous to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Wipe up with absorbent material (for example cloth).

6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Does not necessitate any specific/particular technical measures.
- Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in original container.

7.3. Specific end use(s)

Metal Working Fluids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Aluminum oxide (1344-28-1)		
Austria	MAK (mg/m ³)	10 mg/m ³ (gemessen als einatembarer Aerosolanteil) 5 mg/m ³ (alveolengängiger Anteil)

BLOC-IT® HEAT-ABSORBING PASTE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Aluminum oxide (1344-28-1)		
Austria	MAK Short time value (mg/m³)	20 mg/m³ (gemessen als einatembarer Aerosolanteil) max. 2x60 min./Schicht 10 mg/m³ (alveolengängiger Anteil) max. 2x60 min./Schicht
Belgium	Limit value (mg/m³)	10 mg/m³
Belgium	Remark*	(oxyde d') (en Al)
France	Local name	Aluminium (trioxyde de di-)
France	VME (mg/m³)	10 mg/m³
France	Note (FR)	(respirable aerosol)
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	3 mg/m³
Germany	Remark (TRGS 900)	(gemessen als alveolengängiger Staubanteil)
Spain	Local name	Óxido de aluminio
Spain	VLA-ED (mg/m³)	10 mg/m³
Switzerland	Local name	Aluminium, fumée d'oxyde
Switzerland	VLE (mg/m³)	24 mg/m³
Switzerland	VME (mg/m³)	3 mg/m³
Switzerland	Remark (CH)	4x15
United Kingdom	WEL TWA (mg/m³)	10 mg/m³ (inhalable aerosol) 4 mg/m³ (respirable aerosol)
Denmark	Local name	Aluminiumoxid, beregnet som Al, total (2005)
Denmark	Grænseværdie (langvarig) (mg/m³)	5 mg/m³
Denmark	Grænseværdie (kortvarig) (mg/m³)	10 mg/m³ (total) 4 mg/m³ (respirabel)
Hungary	Local name	DIALUMÍNIUM-TRIOXID (Al-ra számítva)
Hungary	AK-érték	6 mg/m³
Hungary	Megjegyzések (HU)	(respirable aerosol)
Ireland	OEL (8 hours ref) (mg/m³)	10 mg/m³ (total inhalable dust) 4 mg/m³ (respirable dust)
Lithuania	IPRV (mg/m³)	2 mg/m³
Lithuania	Remark (LT)	(alveolinė frakcija. Piūrėk IX skyriaus 3 pastabą.)
Norway	Local name	Aluminiumoksid
Norway	Gjennomsnittsverdier (AN) (mg/m³)	10 mg/m³
Norway	Merknader (NO)	1)
Poland	NDS (mg/m³)	2.5 mg/m³ (dymy, pyl całkowity) 1.2 mg/m³ (dymy, pyl respirabilny)
Romania	Local name	Oxid de aluminiu (aerosoli)
Romania	OEL TWA (mg/m³)	2 mg/m³
Romania	OEL TWA (ppm)	0.5 ppm
Romania	OEL STEL (mg/m³)	5 mg/m³
Romania	OEL STEL (ppm)	1.2 ppm
Slovakia	NPHV (priemerná) (mg/m³)	1.5 mg/m³ (respirabilná frakcia) 4 mg/m³ (inhalovateľná frakcia)
Sweden	nivågränsvärde (NVG) (mg/m³)	5 mg/m³ (inhalable aerosol) 2 mg/m³ (respirable aerosol)
Portugal	Local name	Óxido de alumínio
Portugal	OEL TWA (mg/m³)	10 mg/m³
Croatia	Local name	Aluminijev oksid
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	10 mg/m³ inhalable dust 4 mg/m³ respirable dust
Titanium dioxide (13463-67-7)		
Austria	Local name	Titanium dioxide
Austria	MAK (mg/m³)	5 mg/m³ (alveolengängiger Anteil)
Austria	MAK Short time value (mg/m³)	10 mg/m³ max. 2x60 min./Schicht (alveolengängiger Anteil)
Belgium	Local name	Titane (dioxyde de)
Belgium	Limit value (mg/m³)	10 mg/m³
Belgium	Remark*	(dioxyde de)
Bulgaria	Local name	Титанов диоксид, респирабилен прах

BLOC-IT® HEAT-ABSORBING PASTE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Aluminum oxide (1344-28-1)		
Bulgaria	OEL TWA (mg/m ³)	10 mg/m ³
France	Local name	Titane (dioxyde de),en Ti
France	VME (mg/m ³)	10 mg/m ³
France	Note (FR)	inhalable aerosol
Greece	OEL TWA (mg/m ³)	10 mg/m ³
Italy - Portugal - USA ACGIH	Local name	Titanium dioxide
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
Latvia	Local name	Titānadioksīds
Latvia	OEL TWA (mg/m ³)	10 mg/m ³
Spain	VLA-ED (mg/m ³)	10 mg/m ³
Spain	Notes	inhalable aerosol
Switzerland	Local name	Dioxyde de titane
Switzerland	VME (mg/m ³)	3 mg/m ³
Switzerland	Remark (CH)	(respirable aerosol)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ inhalable aerosol 4 mg/m ³ respirable aerosol
Denmark	Local name	Titandioxid, beregnet som Ti
Denmark	Grænseværdie (langvarig) (mg/m3)	6 mg/m ³
Denmark	Grænseværdie (kortvarig) (mg/m3)	12 mg/m ³
Ireland	OEL (8 hours ref) (mg/m3)	10 mg/m ³ total inhalable dust 4 mg/m ³ respirable dust
Lithuania	Local name	Titano dioksidas
Lithuania	IPRV (mg/m3)	5 mg/m ³
Norway	Local name	Titandioksid
Norway	Gjennomsnittsverdier (AN) (mg/m3)	5 mg/m ³
Slovakia	NPHV (priemerná) (mg/m3)	5 mg/m ³
Sweden	Local name	Titanium dioxide total dust
Sweden	nivågränsvärde (NVG) (mg/m3)	5 mg/m ³
Sweden	Anmärkning (SE)	total dust, 1
Portugal	Local name	Dióxido de titânio
Portugal	OEL TWA (mg/m ³)	10 mg/m ³
Croatia	Local name	Titanov dioksid
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	10 mg/m ³ inhalable dust 4 mg/m ³ respirable dust
Aluminum hydroxide (21645-51-2)		
Austria	MAK (mg/m ³)	5 mg/m ³
Austria	MAK (ppm)	10 ppm (gemessen als einatembarer Aerosolanteil) 5 ppm (alveolengängiger Anteil)
Austria	MAK Short time value (mg/m ³)	10 mg/m ³
Austria	MAK Short time value (ppm)	20 ppm (gemessen als einatembarer Aerosolanteil) max. 2x60 min./Schicht 10 ppm (alveolengängiger Anteil) max. 2x60 min./Schicht
Latvia	Local name	Alumīniahidroksīds
Latvia	OEL TWA (mg/m ³)	6 mg/m ³
Switzerland	VME (mg/m ³)	3 mg/m ³
Switzerland	Remark (CH)	(alveolengängige Fraktion)
Lithuania	Local name	Aluminio hidroksidas
Lithuania	IPRV (mg/m3)	6 mg/m ³
Lithuania	Remark (LT)	F
Poland	NDS (mg/m3)	2.5 mg/m ³ dymy, pyl calkowity 1.2 mg/m ³ dymy, pyl respirabilny
Slovakia	NPHV (priemerná) (mg/m3)	1.5 mg/m ³ (respirabilná frakcia) 4 mg/m ³ (inhalovate¾ná frakcia)
Silica gel (112926-00-8)		
Belgium	Local name	Silices amorphes : précipités (gel de silice)

BLOC-IT® HEAT-ABSORBING PASTE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Aluminum oxide (1344-28-1)		
Belgium	Limit value (mg/m³)	10 mg/m³
Finland	Local name	Piidioksidi, saostettu
Finland	HTP-arvo (8h) (mg/m³)	5 mg/m³
Magnesium oxide (1309-48-4)		
Austria	Local name	Magnesium oxide (fume)
Austria	MAK (mg/m³)	5 mg/m³
Austria	MAK Short time value (mg/m³)	20 mg/m³
Belgium	Local name	Magnésium (oxyde de) (fumées)
Belgium	Limit value (mg/m³)	10 mg/m³
Belgium	Remark*	(oxyde de) (fumées)
Bulgaria	Local name	Магнезиев оксид
Bulgaria	OEL TWA (mg/m³)	10 mg/m³
France	Local name	Magnésium (oxyde de),fumées
France	VME (mg/m³)	10 mg/m³
France	Note (FR)	respirable aerosol
Greece	OEL TWA (mg/m³)	10 mg/m³
Italy - Portugal - USA ACGIH	Local name	Magnesium oxide
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m³)	10 mg/m³
Italy - Portugal - USA ACGIH	Remark (ACGIH)	(inhalable fraction)
Spain	Local name	Óxido de Magnesio (humos y polvo)
Spain	VLA-ED (mg/m³)	10 mg/m³
Switzerland	VME (mg/m³)	3 mg/m³
Switzerland	Remark (CH)	(respirable aerosol)
United Kingdom	WEL TWA (mg/m³)	10 mg/m³ (inhalable dust) 4 mg/m³ (fume and respirable dust)
Czech Republic	Local name	Oxid ho e natý
Czech Republic	Expoziční limity (PEL) (mg/m³)	5 mg/m³
Czech Republic	Expoziční limity (NPK-P) (mg/m³)	10 mg/m³
Denmark	Local name	Magnesiumoxid, beregnet som Mg
Denmark	Grænseværdie (langvarig) (mg/m³)	6 mg/m³
Denmark	Grænseværdie (kortvarig) (mg/m³)	12 mg/m³
Hungary	Local name	MAGNÉZIUM-OXID (Mg-ra számítva)
Hungary	AK-érték	6 mg/m³
Hungary	CK-érték	24 mg/m³
Hungary	Megjegyzések (HU)	i
Ireland	OEL (8 hours ref) (mg/m³)	4 mg/m³ respirable dust 5 mg/m³ fume 10 mg/m³ total inhalable dust
Ireland	OEL (15 min ref) (mg/m³)	10 mg/m³ fume
Lithuania	Local name	Magnio oksidas
Lithuania	IPRV (mg/m³)	4 mg/m³
Norway	Local name	Magnesiumoksid
Norway	Gjennomsnittsverdier (AN) (mg/m³)	10 mg/m³
Norway	Merknader (NO)	1)
Poland	NDS (mg/m³)	5 mg/m³ dymy 10 mg/m³ pyły
Romania	Local name	Oxid de magneziu (fumuri)
Romania	OEL TWA (mg/m³)	5 mg/m³
Romania	OEL STEL (mg/m³)	15 mg/m³
Slovakia	NPHV (priemerná) (mg/m³)	10 mg/m³ 4 mg/m³ (inhalovateľná frakcia)
Portugal	Local name	Óxido de magnésio
Portugal	OEL TWA (mg/m³)	10 mg/m³
Croatia	Local name	Magnezijev oksid, dim

BLOC-IT® HEAT-ABSORBING PASTE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Aluminum oxide (1344-28-1)		
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	10 mg/m³ inhalable dust 4 mg/m³ respirable dust
Silicon dioxide (cristobalite) (14808-60-7)		
Austria	MAK (mg/m³)	0.15 mg/m³
Austria	Remark (AT)	(alveolengängige Fraktion; Jahres-Miw)
Belgium	Local name	Silices cristallines : quartz (poussières alvéolaires)
Belgium	Limit value (mg/m³)	0.1 mg/m³
Belgium	Remark*	(poussières alvéolaires)
France	Local name	quartz
France	VME (mg/m³)	0.1 mg/m³
France	Note (FR)	(poussières alvéolaires de quartz)
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³
Italy - Portugal - USA ACGIH	Remark (ACGIH)	(respirable dust)
Spain	VLA-ED (mg/m³)	0.1 mg/m³
Spain	Notes	(respirable aerosol)
Switzerland	Local name	Dioxyde de silicium cristallisé quartz
Switzerland	VME (mg/m³)	0.15 mg/m³
Switzerland	Remark (CH)	(respirable aerosol)
The Netherlands	Local name	Silicium(di)oxide– kwarts
The Netherlands	MAC TGG 8H (mg/m³)	0.075 mg/m³
The Netherlands	Remark (MAC)	(Voor respirabel stof) (kankerverwekkende stoff)
Denmark	Grænseværdie (langvarig) (mg/m3)	0.3 mg/m³ (inhalable aerosol) 0.1 mg/m³ (K, respirable aerosol)
Denmark	Grænseværdie (kortvarig) (mg/m3)	0.6 mg/m³ (inhalable aerosol) 0.2 mg/m³ (K, respirable aerosol)
Finland	Local name	Kvartsi
Finland	HTP-arvo (8h) (mg/m3)	0.05 mg/m³
Finland	Huomautus (FI)	(alveolijae)
Hungary	AK-érték	0.15 mg/m³
Hungary	Megjegyzések (HU)	(respirable aerosol)
Ireland	Local name	Quartz, respirable dust, (see Silica, crystalline)
Ireland	OEL (8 hours ref) (mg/m3)	0.1 mg/m³
Lithuania	Local name	Kvarcas, silicio dioksido atmaina, alveolinė frakcija
Lithuania	IPRV (mg/m3)	0.1 mg/m³
Lithuania	Remark (LT)	(Piūrėk IX skyriaus 3 pastabà)
Poland	NDS (mg/m3)	2 mg/m³ (krzemionke powyzej 50%; pyl calkowity) 0.3 mg/m³ (krzemionke powyzej 50%; pyl respirabilny) 2 mg/m³ (krzemionke od 2% do 50%; pyl calkowity) 0.3 mg/m³ (krzemionke od 2% do 50%; pyl respirabilny)
Slovakia	NPHV (priemerná) (mg/m3)	0.1 mg/m³
Slovakia	Upozornenie (SK)	(Dokázaný karcinogén pre ľudí, R)
Sweden	Local name	Quartz respirable dust See also Cristobalite and Tridymite
Sweden	nivågränsvärde (NVG) (mg/m3)	0.1 mg/m³
Sweden	Anmärkning (SE)	(respirabelt damm; M, 1)
Portugal	Local name	Silica, cristalina α - Quartzo
Portugal	OEL TWA (mg/m³)	0.025 mg/m³
Croatia	Local name	Kristalni SiO2, kvarc
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	0.1 mg/m³

8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: None under normal use.
Eye protection	: No special eye protection equipment recommended under normal conditions of use.

BLOC-IT® HEAT-ABSORBING PASTE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Paste.
Colour : pink. Beige.
Odour : Odourless.
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : 100 °C
Flash point : Not applicable
Self ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Solubility : Soluble in water.
Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

VOC content : 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

Aluminum oxide (1344-28-1)	
LD50 oral rat	> 15900 mg/kg
LC50 inhalation rat (mg/l)	7.6 mg/l/4h
ATE (vapours)	7.600 mg/l/4h
ATE (dust,mist)	7.600 mg/l/4h
Titanium dioxide (13463-67-7)	
LD50 oral rat	> 5000 mg/kg

BLOC-IT® HEAT-ABSORBING PASTE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

LC50 inhalation rat (mg/l)	> 6.82 mg/l/4h
Magnesium oxide (1309-48-4)	
LD50 oral rat	3870 - 3990 mg/kg
ATE (oral)	3870.000 mg/kg bodyweight
hectorite (12173-47-6)	
LD50 oral rat	> 5000 mg/kg

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)

Titanium dioxide (13463-67-7)	
NOAEL (chronic,oral, animal/male,2 years)	5 mg/kg bodyweight rat
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Toxicity

Aluminum oxide (1344-28-1)	
EC50 Daphnia 1	> 1470 mg/l
NOEC (acute)	> 50 mg/l
Magnesium oxide (1309-48-4)	
LC50 fishes 1	1355 mg/l
EC50 Daphnia 1	190 mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

BLOC-IT® HEAT-ABSORBING PASTE	
This substance/mixture does not meet the PBT criteria of REACH, annex XIII.	
This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.	

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
EURLW code	: For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

SECTION 14: Transport information

In accordance with ADR / RID / ADN / IMDG / ICAO / IATA

14.1. UN number

Not considered a dangerous good for transport regulations

14.2. UN proper shipping name

Proper Shipping Name (ADR) :

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

BLOC-IT® HEAT-ABSORBING PASTE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Inland waterway transport

Carriage prohibited (ADN) : No

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions

BLOC-IT® HEAT-ABSORBING PASTE is not on the REACH Candidate List

Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

VOC content : 0 %

15.1.2. National regulations

All components are listed on the EEC inventory European Inventory of Existing Commercial Chemical Substances (EINECS).

All ingredients are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).

All ingredients are listed in the Toxic Substances Control Act (TSCA).

Germany

Water hazard class (WGK) : 1 - slightly hazardous to water

WGK remark : Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Revised format.

Data sources : ACGIH 2000.

Canadian Centre for Occupational Health and Safety. Accessed at:
http://www.ccohs.ca/oshanswers/legisl/whmis_classifi.html.

ESIS (European chemical Substances Information System; accessed at:
<http://esis.jrc.ec.europa.eu/index.php?PGM=cla>.

European Chemicals Agency (ECHA) Registered Substances list. Accessed at
<http://echa.europa.eu/>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.

National Fire Protection Association; Fire Protection Guide to Hazardous Materials; 10th edition.

OSHA 29CFR 1910.1200 Hazard Communication Standard.

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

TSCA Chemical Substance Inventory. Accessed at
<http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

BLOC-IT® HEAT-ABSORBING PASTE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Abbreviations and acronyms

: ACGIH (American Conference of Government Industrial Hygienists).
ATE: Acute Toxicity Estimate.
CAS (Chemical Abstracts Service) number.
CLP: Classification, Labelling, Packaging.
EC50: Environmental Concentration associated with a response by 50% of the test population.
GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
LD50: Lethal Dose for 50% of the test population.
OSHA: Occupational Safety & Health Administration.
PBT: Persistent, Bioaccumulative, Toxic.
PNEC: Predicted No Effect Level.
STEL: Short Term Exposure Limits.
TSCA: Toxic Substances Control Act.
TWA: Time Weight Average.

Other information

: None.

Full text of R-, H- and EUH-phrases::

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Carc. 1A	Carcinogenicity (inhalation) Category 1A
Carc. 2	Carcinogenicity Category 2
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Skin Irrit. 2	skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitisation Category 1
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H350i	May cause cancer by inhalation
H351	Suspected of causing cancer
R22	Harmful if swallowed.
R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
Xi	Irritant
Xn	Harmful.

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LA-CO EU CLP SDS

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