

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

Product form : Mixture  
 Product name. : Anti-heat®

**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 220115 Minsk	+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 Totleben 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	Gifflinjen 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	Beratungstelle 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

# Anti-heat®

## 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]

No labelling applicable

#### 2.3. Other hazards

PBT: not yet assessed

vPvB: not yet assessed

### 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]
Talc	(CAS No) 14807-96-6 (EC no) 238-877-9	5 – 15	Not classified	Not classified
Silicon dioxide (cristobalite)	(CAS No) 14808-60-7 (EC no) 238-878-4	0.01 – 1	Not classified	Carc. 1A, H350i*
cristobalite	(CAS No) 14464-46-1 (EC no) 238-455-4	0 – 1	Not classified	STOT RE 1, H372
microcrystalline cellulose	(CAS No) 9004-34-6 (EC no) 232-674-9	< 0.1	Not classified	Not classified

\*Cristobalite is a Carc. 1A through inhalation of dust only.

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

### 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).

# Anti-heat®

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

- First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.  
First-aid measures after skin contact : Gently wash with plenty of soap and water.  
First-aid measures after eye contact : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
First-aid measures after ingestion : Do NOT induce vomiting. Get medical advice/attention 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.  
Explosion hazard : Product is not explosive.

### 5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. 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. Use self-contained breathing apparatus. Wear fire/flame resistant/retardant clothing. EN 469.

## 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 : Stop release.

### 6.2. Environmental precautions

Contains no substances known to be hazardous to the environment. Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- For containment : Absorb and/or contain spill with inert material, then place in suitable container.  
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 : Avoid breathing fume.  
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 a dry, cool and well-ventilated place. Store in original container.  
Incompatible materials : hydrofluoric acid.

### 7.3. Specific end use(s)

Preparation for industrial application.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Talc (14807-96-6)		
Austria	Local name	Talc, (containing no asbestos fibres)
Austria	MAK (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Austria	Remark (AT)	(alveolengängige Fraktion)
Belgium	Local name	Talc (sans fibre d'amiante)
Belgium	Limit value (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>

# Anti-heat®

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

<b>Talc (14807-96-6)</b>		
Belgium	Remark*	(sans fibre d'amiante)
Greece	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Italy - Portugal - USA ACGIH	Local name	Talc (2009) Containing no asbestos fibers
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Spain	Local name	Talco (sin fibras de amianto) : Fracción respirable
Spain	VLA-ED (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Spain	Notes	d, e
Switzerland	Local name	Talc
Switzerland	VME (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Switzerland	Remark (CH)	(respirable aerosol)
The Netherlands	Local name	Talk (respirabel)
The Netherlands	MAC TGG 8H (mg/m <sup>3</sup> )	0.25 mg/m <sup>3</sup>
The Netherlands	Remark (MAC)	respirable aerosol
United Kingdom	Local name	Talc, respirable dust
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
United Kingdom	Remark (WEL)	respirable aerosol
Denmark	Local name	Talkum indeholdende fibre
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	0.3 mg/m <sup>3</sup>
Denmark	Anmærkninger (DK)	K
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (Talkki, rakeinen; hengittävää pölyä) 1 mg/m <sup>3</sup> (Talkki, rakeinen; alveolijae) 0.5 mg/m <sup>3</sup> (Talkki, kuitumainen)
Hungary	AK-érték	2 mg/m <sup>3</sup>
Hungary	Megjegyzések (HU)	respirable aerosol
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> total inhalable dust 0.8 mg/m <sup>3</sup> respirable dust
Lithuania	IPRV (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (ikvepiamoji frakcija) 1 mg/m <sup>3</sup> (alveolinė frakcija)
Norway	Gjennomsnittsverdier (AN) (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (respirabelt støv) 6 mg/m <sup>3</sup> (totalstøv)
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> total dust, 1 1 mg/m <sup>3</sup> respirable dust, 1
Croatia	Local name	Talk (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> respirable dust
<b>Silicon dioxide (cristobalite) (14808-60-7)</b>		
Austria	MAK (mg/m <sup>3</sup> )	0.15 mg/m <sup>3</sup>
Austria	Remark (AT)	(alveolengängige Fraktion; Jahres-Miw)
Belgium	Local name	Silices cristallines : quartz (poussières alvéolaires)
Belgium	Limit value (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>
Belgium	Remark*	(poussières alvéolaires)
France	Local name	quartz
France	VME (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>
France	Note (FR)	(poussières alvéolaires de quartz)
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>
Italy - Portugal - USA ACGIH	Remark (ACGIH)	(respirable dust)
Spain	VLA-ED (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>
Spain	Notes	(respirable aerosol)
Switzerland	Local name	Dioxyde de silicium cristallisé quartz
Switzerland	VME (mg/m <sup>3</sup> )	0.15 mg/m <sup>3</sup>
Switzerland	Remark (CH)	(respirable aerosol)
The Netherlands	Local name	Silicium(di)oxide– kwarts
The Netherlands	MAC TGG 8H (mg/m <sup>3</sup> )	0.075 mg/m <sup>3</sup>
The Netherlands	Remark (MAC)	(Voor respirabel stof) (kankerverwekkende stoff)
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	0.3 mg/m <sup>3</sup> (inhalable aerosol) 0.1 mg/m <sup>3</sup> (K, respirable aerosol)
Denmark	Grænseværdie (kortvarig) (mg/m <sup>3</sup> )	0.6 mg/m <sup>3</sup> (inhalable aerosol) 0.2 mg/m <sup>3</sup> (K, respirable aerosol)
Finland	Local name	Kvartsi

# Anti-heat®

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

<b>Talc (14807-96-6)</b>		
Finland	HTP-arvo (8h) (mg/m3)	0.05 mg/m <sup>3</sup>
Finland	Huomautus (FI)	(alveolijae)
Hungary	AK-érték	0.15 mg/m <sup>3</sup>
Hungary	Megjegyzések (HU)	(respirable aerosol)
Ireland	Local name	Quartz, respirable dust, (see Silica, crystalline)
Ireland	OEL (8 hours ref) (mg/m3)	0.1 mg/m <sup>3</sup>
Lithuania	Local name	Kvarcas, silicio dioksido atmaina, alveolinė frakcija
Lithuania	IPRV (mg/m3)	0.1 mg/m <sup>3</sup>
Lithuania	Remark (LT)	(biūrėk IX skyriaus 3 pastabà)
Poland	NDS (mg/m3)	2 mg/m <sup>3</sup> (krzemionke powyzej 50%; pyl calkowity) 0.3 mg/m <sup>3</sup> (krzemionke powyzej 50%; pyl respirabilny) 2 mg/m <sup>3</sup> (krzemionke od 2% do 50%; pyl calkowity) 0.3 mg/m <sup>3</sup> (krzemionke od 2% do 50%; pyl respirabilny)
Slovakia	NPHV (priemerná) (mg/m3)	0.1 mg/m <sup>3</sup>
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/m <sup>3</sup>
Sweden	Anmärkning (SE)	(respirabelt damm; M, 1)
Portugal	Local name	Silica, cristalina α - Quartzo
Portugal	OEL TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>
Croatia	Local name	Kristalni SiO <sub>2</sub> , kvarc
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>
<b>microcrystalline cellulose (9004-34-6)</b>		
Austria	Local name	Cellulose (paper fibre)
Belgium	Local name	Cellulose
Belgium	Limit value (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
France	Local name	Cellulose (fibre de papier)
France	VME (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Italy - Portugal - USA ACGIH	Local name	Cellulose
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Italy - Portugal - USA ACGIH	Remark (ACGIH)	NA URT irr
Latvia	Local name	Celuloze
Latvia	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Spain	VLA-ED (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Spain	Notes	inhalable aerosol
Switzerland	Local name	Cellulose
Switzerland	VME (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
Switzerland	Remark (CH)	(respirable aerosol)
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable aerosol) 4 mg/m <sup>3</sup> (respirable aerosol)
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup> (inhalable aerosol)
Ireland	OEL (8 hours ref) (mg/m3)	10 mg/m <sup>3</sup> total inhalable dust 4 mg/m <sup>3</sup> respirable dust
Ireland	OEL (15 min ref) (mg/m3)	20 mg/m <sup>3</sup> total inhalable dust
Portugal	Local name	Celulose
Portugal	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Croatia	Local name	Celuloza
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> inhalable dust 4 mg/m <sup>3</sup> respirable dust
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup> inhalable dust
<b>cristobalite (14464-46-1)</b>		
Austria	MAK (mg/m <sup>3</sup> )	0.15 mg/m <sup>3</sup>
Austria	Remark (AT)	(alveolengängiger Anteil; Jahres-Miw)

# Anti-heat®

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Talc (14807-96-6)		
Belgium	Local name	Silices cristallines : cristobalite (poussières alvéolaires)
Belgium	Limit value (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>
Belgium	Remark*	(poussières alvéolaires)
France	Local name	cristobalite
France	VME (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>
France	Note (FR)	(pour la fraction alvéolaire)
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>
Italy - Portugal - USA ACGIH	Remark (ACGIH)	(respirable dust)
Spain	Local name	Silice Cristalina : Cristobalita - Fracción respirable
Spain	VLA-ED (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>
Spain	Notes	Fracción respirable
Switzerland	Local name	Dioxyde de silicium cristallisé cristobalite
Switzerland	VME (mg/m <sup>3</sup> )	0.15 mg/m <sup>3</sup>
Switzerland	Remark (CH)	(alveolengängiger Staub)
The Netherlands	Local name	Silicium(di)oxide– cristoballiet
The Netherlands	MAC TGG 8H (mg/m <sup>3</sup> )	0.075 mg/m <sup>3</sup>
The Netherlands	Remark (MAC)	(Voor respirabel stof; kankerverwekkende stoff)
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	0.15 mg/m <sup>3</sup> (total) 0.05 mg/m <sup>3</sup> (respirabel; K)
Finland	Local name	Kristobaliitti
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>
Finland	Huomautus (FI)	alveolijae
Ireland	Local name	Cristobalite, respirable dust, (see Silica, Crystalline)
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>
Lithuania	Local name	Kristobalitas (silicio dioksido atmaina), alveolinė frakcija
Lithuania	IPRV (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>
Lithuania	Remark (LT)	(alveoline. frakcija)
Norway	Gjennomsnittsverdier (AN) (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup> K 5 0.15 mg/m <sup>3</sup>
Poland	NDS (mg/m <sup>3</sup> )	0.3 mg/m <sup>3</sup> krzemionke powyzej 50%; pyl respirabilny 1 mg/m <sup>3</sup> krzemionke od 2% do 50%; pyl respirabilny 2 mg/m <sup>3</sup> krzemionke powyzej 50%; pyl calkowity 4 mg/m <sup>3</sup> krzemionke od 2% do 50%; pyl calkowity
Sweden	Local name	Cristobalite respirable dust
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>
Sweden	Anmärkning (SE)	respirabelt, 1
Croatia	Local name	Kristalni SiO <sub>2</sub> (kristobalit)
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>

### 8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: In case of repeated or prolonged contact wear gloves. Impermeable protective nitrile gloves. EN 374.
Eye protection	: Eye protection should only be necessary where liquid could be splashed or sprayed.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. Wear approved mask. EN 12083.
Other information	: Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Paste. Clay.
Colour	: brown.
Odour	: No data available
Odour threshold	: No data available
pH	: No data available

# Anti-heat®

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: None (CC)
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	: No data available
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

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

hydrofluoric acid.

### 10.6. Hazardous decomposition products

No dangerous decomposition products known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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

No additional information available

### 12.2. Persistence and degradability

No additional information available

# Anti-heat®

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 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

Anti-heat®
PBT: not yet assessed
vPvB: not yet assessed

### 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 / ADNR / 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

### 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

Anti-heat® 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 in the Toxic Substances Control Act (TSCA).

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

#### Germany

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



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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. Revised sections: 1 - 16.

Data sources

: ACGIH 2000.  
Canadian Centre for Occupational Health and Safety. Accessed at: [http://www.ccohs.ca/oshanswers/legisl/whmis\\_classifi.html](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>.

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::

Carc. 1A	Carcinogenicity (inhalation) Category 1A
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
H350i	May cause cancer by inhalation
H372	Causes damage to organs through prolonged or repeated exposure

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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.*