

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

1.1. Product identifier

Product form : Mixture
Product name : SILICONE THERMAL GREASE
Type of product : Fillers, putties, plasters, modelling clay, Thermal interface material, Paste

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Fillers Conductive agents
Function or use category : Fillers, Conductive agents

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Premier Farnell plc
150 Armley Road, Leeds, LS12 2QQ
+44 (0) 8701 202530

1.4. Emergency telephone number

+44 1865 407333

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Carcinogenicity, Category 2 H351
Hazardous to the aquatic environment — Acute Hazard, Category 1 H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS08

GHS09

Signal word (CLP) : Warning
Hazardous ingredients : CARBON BLACK MESOPOROUS
Hazard statements (CLP) : :H351 - Suspected of causing cancer (oral).
H410 - Very toxic to aquatic life with long lasting effects.
H400 - Very toxic to aquatic life.
Precautionary statements (CLP) : P202 - Do not handle until all safety precautions have been read and understood

P273 - Avoid release to the environment.
P280 - Wear eye protection, protective gloves.
P308+P313 - IF exposed or concerned: Get medical advice.
P391 - Collect spillage.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-------------------------|--|-------|---|
| ZINC OXIDE | (CAS-No.) 1314-13-2 (EC-No.) 215-222-5 (EC Index-No.) 030-013-00-7 | 10-30 | Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10) |
| CARBON BLACK MESOPOROUS | (CAS-No.) 1333-86-4 (EC-No.) 215-609-9 | 10-25 | Carc. 2, H351 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison centre or a doctor if you feel unwell.

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

Symptoms/effects after inhalation : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Symptoms/effects after skin contact : Causes mild skin irritation.
Symptoms/effects after eye contact : mild eye irritation.
Symptoms/effects after ingestion : Ingestion may cause nausea and vomiting. Abdominal pain, nausea.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| CARBON BLACK MESOPOROUS (1333-86-4) | | |
|-------------------------------------|--|--|
| Belgium | Local name | Carbone (noir de) # Koolzwart |
| Belgium | Limit value (mg/m ³) | 3 mg/m ³ |
| Belgium | Regulatory reference | Koninklijk besluit/Arrêté royal 02/09/2018 |
| Croatia | Local name | Ugljik-crni |
| Croatia | GVI (granična vrijednost izloženosti) (mg/m ³) | 3.5 mg/m ³ |
| Croatia | KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³) | 7 mg/m ³ |
| Croatia | Regulatory reference | Pravilnik o izmjenama i dopunama Pravilnika o graničnim vrijednostima izloženosti opasnim tvarima pri radu i o biološkim graničnim vrijednostima (NN, br. 75/13) |

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| CARBON BLACK MESOPOROUS (1333-86-4) | | |
|--|---|--|
| Denmark | Local name | Carbon black |
| Denmark | Grænseværdie (langvarig) (mg/m ³) | 3.5 mg/m ³ |
| Denmark | Anmærkninger (DK) | K (betyder, at stoffet anses for at kunne være kræftfremkaldende) |
| Denmark | Regulatory reference | BEK nr 655 af 31/05/2018 |
| Finland | Local name | Nokimusta |
| Finland | HTP-arvo (8h) (mg/m ³) | 3.5 mg/m ³ |
| Finland | HTP-arvo (15 min) | 7 mg/m ³ |
| Finland | Regulatory reference | HTP-ARVOT 2018 (Sosiaali- ja terveysministeriö) |
| France | Local name | Noir de carbone |
| France | VME (mg/m ³) | 3.5 mg/m ³ |
| France | Note (FR) | Valeurs recommandées/admises |
| France | Regulatory reference | Circulaire du Ministère du travail (réf.: INRS ED 984, 2016) |
| Germany | TRGS 910 Acceptable concentration notes | |
| Greece | Local name | Αιθάλη |
| Greece | OEL TWA (mg/m ³) | 3.5 mg/m ³ |
| Greece | OEL STEL (mg/m ³) | 7 mg/m ³ |
| Greece | Regulatory reference | Π.Δ. 90/1999 |
| Ireland | Local name | Carbon black |
| Ireland | OEL (8 hours ref) (mg/m ³) | 3 mg/m ³ I (Inhalable Fraction) |
| Ireland | Regulatory reference | Code of Practice for the Chemical Agents Regulations 2018 |
| Poland | Local name | Sadza techniczna |
| Poland | NDS (mg/m ³) | 4 mg/m ³ frakcja wdychalna |
| Poland | Remark (PL) | Frakcja wdychalna – frakcja aerozolu wnikająca przez nos i usta, która po zdeponowaniu w drogach oddechowych stwarza zagrożenie dla zdrowia. |
| Poland | Regulatory reference | Dz. U. 2018 poz. 1286 |
| Portugal | Local name | Carbono, preto (Negro de fumo) |
| Portugal | OEL TWA (mg/m ³) | 3 mg/m ³ I (Fração inalável) |
| Slovakia | Regulatory reference | Norma Portuguesa NP 1796:2014 |
| Spain | Local name | Negro de humo |
| Spain | VLA-ED (mg/m ³) | 3.5 mg/m ³ |
| Spain | Regulatory reference | Límites de Exposición Profesional para Agentes Químicos en España 2018. INSHT |
| United Kingdom | Local name | Carbon black |
| United Kingdom | WEL TWA (mg/m ³) | 3.5 mg/m ³ |
| United Kingdom | WEL STEL (mg/m ³) | 7 mg/m ³ |
| United Kingdom | Regulatory reference | EH40/2005 (Third edition, 2018). HSE |

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| CARBON BLACK MESOPOROUS (1333-86-4) | | |
|--|--|---|
| Iceland | Local name | Kolefni |
| Iceland | OEL (8 hours ref) (mg/m ³) | 3.5 mg/m ³ |
| Iceland | Regulatory reference | Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009) |
| Norway | Local name | Carbon Black (lampesot) |
| Norway | Greenseverdier (AN) (mg/m ³) | 3.5 mg/m ³ |
| Norway | Regulatory reference | FOR-2018-08-21-1255 |

| ZINC OXIDE (1314-13-2) | | |
|-------------------------------|--|---|
| EU | Local name | Zinc oxide |
| EU | Notes | (Ongoing) |
| EU | Regulatory reference | SCOEL Recommendations |
| Austria | Local name | Zinkoxid-Rauch |
| Austria | MAK (mg/m ³) | 5 mg/m ³ |
| Austria | Regulatory reference | BGBl. II Nr. 186/2015 |
| Belgium | Local name | Zinc (oxyde de) (fraction alvéolaire) # Zinkoxide (inadembare fractie) |
| Belgium | Limit value (mg/m ³) | 2 mg/m ³ |
| Belgium | Short time value (mg/m ³) | 10 mg/m ³ |
| Belgium | Regulatory reference | Koninklijk besluit/Arrêté royal 02/09/2018 |
| Bulgaria | Local name | Цинков оксид |
| Bulgaria | OEL TWA (mg/m ³) | 5 mg/m ³ (като цинк) |
| Bulgaria | OEL STEL (mg/m ³) | 10 mg/m ³ (като цинк) |
| Bulgaria | Regulatory reference | Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр.73 от 4 септември 2018 г.) |
| Croatia | Local name | Cinkov oksid |
| Croatia | GVI (granična vrijednost izloženosti) (mg/m ³) | 5 mg/m ³ |
| Croatia | KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³) | 10 mg/m ³ |
| Croatia | Regulatory reference | Pravilnik o izmjenama i dopunama Pravilnika o graničnim vrijednostima izloženosti opasnim tvarima pri radu i o biološkim graničnim vrijednostima (NN, br. 75/13) |
| Czech Republic | Local name | Oxid zinečnatý, jako Zn |
| Czech Republic | Expoziční limity (PEL) (mg/m ³) | 2 mg/m ³ |
| Czech Republic | Expoziční limity (NPK-P) (mg/m ³) | 5 mg/m ³ |
| Czech Republic | Regulatory reference | Nařízení vlády č. 361/2007 Sb. (zpracovány změny č. 246/2018 Sb.) |
| Denmark | Local name | Zinkoxid og zinkoxidrøg |
| Denmark | Grænseværdie (langvarig) (mg/m ³) | 4 mg/m ³ beregnet som Zn |

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| ZINC OXIDE (1314-13-2) | | |
|------------------------|---|---|
| Denmark | Regulatory reference | BEK nr 655 af 31/05/2018 |
| Estonia | Local name | Tsinkoksiid |
| Estonia | OEL TWA (mg/m ³) | 5 mg/m ³ |
| Estonia | Regulatory reference | Vabariigi Valitsuse 18. septembri 2001. a määruse nr 293 (RT I, 30.11.2011, 5) |
| Finland | Local name | Sinkkioksiidi, huurut |
| Finland | HTP-arvo (8h) (mg/m ³) | 2 mg/m ³ |
| Finland | HTP-arvo (15 min) | 10 mg/m ³ |
| Finland | Regulatory reference | HTP-ARVOT 2018 (Sosiaali- ja terveystieteiden ministeriö) |
| France | Local name | Zinc (oxyde de) |
| France | VME (mg/m ³) | 5 mg/m ³ (fumées) 10 mg/m ³ (poussières) |
| France | Note (FR) | Valeurs recommandées/admises |
| France | Regulatory reference | Circulaire du Ministère du travail (réf.: INRS ED 984, 2016) |
| Germany | TRGS 910 Acceptable concentration notes | |
| Greece | Local name | Ψευδαργύρου Οξειδίο (καπνοί) |
| Greece | OEL TWA (mg/m ³) | 5 mg/m ³ |
| Greece | OEL STEL (mg/m ³) | 10 mg/m ³ |
| Greece | Regulatory reference | Π.Δ. 90/1999 |
| Hungary | Local name | CINK-OXID |
| Hungary | AK-érték | 5 mg/m ³ respirábilis frakció |
| Hungary | CK-érték | 20 mg/m ³ respirábilis frakció |
| Hungary | Megjegyzések (HU) | i (ingerlő anyag, amely izgatja a bőrt, nyálkahártyát, szemet vagy mindhármát); III. (FELSZÍVÓDVA HATÓ ANYAGOK (Hatás fellépésének ideje > 2 óra; Felezési idő > műszak idő (ERŐSEN KUMULÁLÓDÓ))) |
| Hungary | Regulatory reference | 25/2000. (IX. 30.) EüM–SZCSM együttes rendelet a munkahelyek kémiai biztonságáról |
| Ireland | Local name | Zinc oxide, fume |
| Ireland | OEL (8 hours ref) (mg/m ³) | 2 mg/m ³ R (Respirable Fraction) |
| Ireland | OEL (15 min ref) (mg/m ³) | 10 mg/m ³ |
| Ireland | Regulatory reference | Code of Practice for the Chemical Agents Regulations 2018 |
| Latvia | Local name | Cinka oksīds |
| Latvia | OEL TWA (mg/m ³) | 0.5 mg/m ³ |
| Latvia | Regulatory reference | Ministru kabineta 2007.gada 15.maija noteikumiem Nr.325 (Grozījumi Ministru kabineta 2011.gada 1.februārī noteikumiem Nr.92) |
| Lithuania | Local name | Cinko oksidas |
| Lithuania | IPRV (mg/m ³) | 5 mg/m ³ |
| Lithuania | Regulatory reference | LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V- 695/A1-272, 2018-06-12) |

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| ZINC OXIDE (1314-13-2) | | |
|-------------------------------|---|--|
| Poland | Local name | Tlenek cynku |
| Poland | NDS (mg/m ³) | 5 mg/m ³ w przeliczeniu na Zn: frakcja wdychalna |
| Poland | NDSCh (mg/m ³) | 10 mg/m ³ w przeliczeniu na Zn: frakcja wdychalna |
| Poland | Remark (PL) | Frakcja wdychalna – frakcja aerozolu wnikająca przez nos i usta, która po zdeponowaniu w drogach oddechowych stwarza zagrożenie dla zdrowia. |
| Poland | Regulatory reference | Dz. U. 2018 poz. 1286 |
| Portugal | Local name | Óxido de zinco |
| Portugal | OEL TWA (mg/m ³) | 2 mg/m ³ R (Fração respirável) |
| Portugal | OEL STEL (mg/m ³) | 10 mg/m ³ R (Fração respirável) |
| Slovakia | Regulatory reference | Norma Portuguesa NP 1796:2014 |
| Romania | Local name | Oxid de zinc |
| Romania | OEL TWA (mg/m ³) | 5 mg/m ³ (Fumuri) |
| Romania | OEL STEL (mg/m ³) | 10 mg/m ³ (Fumuri) |
| Romania | Regulatory reference | Hotărârea nr. 584/2018 |
| Slovakia | Local name | Oxid zinočnatý, dymy |
| Slovakia | NPHV (priemerná) (mg/m ³) | 1 mg/m ³ dymy respirabilná frakcia |
| Slovakia | OEL STEL (mg/m ³) | 1 mg/m ³ respirabilná frakcia |
| Slovakia | Regulatory reference | Nariadenie vlády č. 33/2018 Z.z. |
| Slovenia | Local name | cinkov oksid – dim |
| Slovenia | OEL TWA (mg/m ³) | 5 mg/m ³ |
| Slovenia | KTV factor SL | 4 |
| Slovenia | Regulatory reference | Uradni list RS, št. 38/2015 z dne 4.6.2015 |
| Spain | Local name | Óxido de cinc |
| Spain | VLA-ED (mg/m ³) | 2 mg/m ³ Fracción respirable |
| Spain | VLA-EC (mg/m ³) | 10 mg/m ³ Fracción respirable |
| Spain | Notes | d (Véase UNE EN 481: Atmósferas en los puestos de trabajo. Definición de las fracciones por el tamaño de las partículas para la medición de aerosoles). |
| Spain | Regulatory reference | Límites de Exposición Profesional para Agentes Químicos en España 2018. INSHT |
| Sweden | Local name | Zinkoxid |
| Sweden | nivågränsvärde (NVG) (mg/m ³) | 5 mg/m ³ totaldamm |
| Sweden | Anmärkning (SE) | 3 (Med totaldamm menas de partiklar (aerosoler) som fastnar på ett filter i den provtagare som beskrivs i Metodserien, Provtagning av totaldamm och respirabelt damm, Metod nr 1010, Arbetskyddsstyrelsen, numera Arbetsmiljöverket. Filterdiametern är normalt 37 mm, men kan även vara 25 mm. Trots sitt namn provtas inte den totala mängden luftburna partiklar med denna metod) |
| Sweden | Regulatory reference | Hygieniska gränsvärden (AFS 2018:1) |

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| ZINC OXIDE (1314-13-2) | | |
|------------------------|---|---|
| Iceland | Local name | Sínkoxíð og sínkoxíðreykur, sem Zn |
| Iceland | OEL (8 hours ref) (mg/m ³) | 4 mg/m ³ |
| Iceland | Regulatory reference | Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009) |
| Norway | Local name | Sinkoksid |
| Norway | Grenseverdier (AN) (mg/m ³) | 5 mg/m ³ |
| Norway | Regulatory reference | FOR-2018-08-21-1255 |
| Switzerland | Local name | Oxyde de zinc (fumée) / Zinkoxid (Rauch) |
| Switzerland | MAK (mg/m ³) | 3 mg/m ³ (a) / (a) |
| Switzerland | KZGW (mg/m ³) | 3 mg/m ³ (a) / (a) |
| Switzerland | Critical toxicity | Fimétal / Metallrauch |
| Switzerland | Remark | NIOSH, OSHA |
| Switzerland | Regulatory reference | www.suva.ch, 01.11.2018 |

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Protective clothing. Gloves. Safety glasses. Combined gas/dust mask with filter type A/P3.

Materials for protective clothing:

| Condition | Material | Standard |
|------------------|--------------|----------|
| Less resistance: | Polyethylene | |

Hand protection:

Protective gloves

| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
|-------------------|----------------------|-------------------|----------------|-------------|----------|
| Disposable gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | 0.11 | | EN 374-2 |

Eye protection:

Safety glasses

| Type | Use | Characteristics | Standard |
|----------------|---------------|-------------------|----------|
| Safety glasses | Dust, Droplet | With side shields | EN 166 |

Skin and body protection:

Wear suitable protective clothing

| Type | Standard |
|-------------------------------------|----------|
| Disposable gowns, Disposable gloves | |

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

| Device | Filter type | Condition | Standard |
|--|-------------|------------------------------------|----------|
| Air-Purifying Respirator (APR), disposable | Type P3 | Dust protection, Vapour protection | EN 14387 |

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---------------------|
| Physical state | : Liquid |
| Colour | : White. |
| Odour | : Odourless. |
| Odour threshold | : No data available |
| pH | : Approx. 7 |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : Not applicable |
| Boiling point | : > 35°C |
| Flash point | : > 93°C |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Non flammable. |
| Vapour pressure | : No data available |
| Relative vapour density at 20°C | : No data available |
| Relative density | : 2.2 |
| 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 | : Not applicable |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition or combustion may generate smoke, carbon oxides (CO, CO₂), and other products of incomplete combustion. Silicon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

| CARBON BLACK MESOPOROUS (1333-86-4) | |
|-------------------------------------|--------------|
| LD50 oral rat | > 8000 mg/kg |
| LD50 dermal rabbit | > 3000 mg/kg |

| ZINC OXIDE (1314-13-2) | |
|----------------------------|------------|
| LD50 oral rat | 7950 mg/kg |
| LC50 inhalation rat (mg/l) | 2500 mg/kg |

Skin corrosion/irritation : Not classified
pH: Approx. 7

Serious eye damage/irritation : Not classified
pH: Approx. 7

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer (oral).

| CARBON BLACK MESOPOROUS (1333-86-4) | |
|-------------------------------------|--------------------------------------|
| IARC group | 2B - Possibly carcinogenic to humans |

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms. Very toxic to aquatic life.

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

| | |
|--|--------------|
| CARBON BLACK MESOPOROUS (1333-86-4) | |
| LC50 fish 1 | > 1000 mg/l |
| EC50 72h algae (1) | > 10000 mg/l |

| | |
|-------------------------------|------------|
| ZINC OXIDE (1314-13-2) | |
| LC50 fish 1 | 1.1 mg/l |
| EC50 Daphnia 1 | 0.098 mg/l |

12.2. Persistence and degradability

| | |
|--|------------------|
| CARBON BLACK MESOPOROUS (1333-86-4) | |
| Persistence and degradability | Not established. |

12.3. Bioaccumulative potential

| | |
|--|-----------------------------------|
| CARBON BLACK MESOPOROUS (1333-86-4) | |
| Bioaccumulative potential | No bioaccumulation data available |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

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

| ADR | IMDG | IATA | ADN | RID |
|---|---------------|---------------|---------------|---------------|
| 14.1. UN number | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shipping name | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

| Full text of H- and EUH-statements: | |
|-------------------------------------|---|
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Carc. 2 | Carcinogenicity, Category 2 |
| H351 | Suspected of causing cancer. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

Part Number

MPGCS-014-SM4-1kg

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