300606

04/03/2016 Version: 6.0



Safety Data Sheet Permlastic Base (Regular Body, Light Body & Heavy Body)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name

: Permlastic Base (Regular Body, Light Body & Heavy Body)

Manufacturer

Kerr Italia S.r.I.

Via Passanti 332

T +39-081-850-8311 E-mail: safety@kerrhawe.com

84018 Scafati (SA) - Italy

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

Relevant identified uses

Main use category

Function or use category

: Professional use : Dental materials

Uses advised against No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier Kerr Italia S.r.I. Via Passanti, 332 84018 Scafati (SA) - Italy T +39-081-850-8311 E-mail: safety@kerrhawe.com

Contact person : safety@kerrhawe.com - tel. 00-800-41-050-505 (08.00-17.00)

1.4. Emergency telephone number

Emergency number

CHEMTREC® Emergency Call Center. Emergency Telephone Number (for USA only) 001-800-424-9300 International and Maritime Telephone Number +1 (703) 527-3887

| Country | Organisation/Company | Address | Emergency number |
|----------------|---|---|--|
| United Kingdom | National Poisons Information Service (Newcastle Unit) | Claremont Place Newcastle-upon-Tyne, Newcastle | +44 191 2606182/+44 191 2606180 24H |

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

| Repr. 1B | H360Df |
|-------------------|--------|
| Aquatic Chronic 2 | H411 |

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

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

Hazard pictograms (CLP)

Signal word (CLP)

Hazardous ingredients

Hazard statements (CLP)

Precautionary statements (CLP)



- : Danger
 - : BBP, benzyl butyl phthalate
 - H360Df May damage the unborn child. Suspected of damaging fertility H411 - Toxic to aquatic life with long lasting effects
 P201 - Obtain special instructions before use 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, protective clothing P308+P313 - IF exposed or concerned: Get medical advice/attention

| 300606 | Permlastic Base (Regular Body, Light Body & Heavy Body) 04/03/201 | 16 |
|---------------|---|----|
| | P391 - Collect spillage P405 - Store locked up P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation | |
| Extra phrases | : The product is seen as a medical device and therefore not subject to labelling (EU- regulation 1907/2006, article 2, paragraph 6c) | |

2.3. Other hazards

Other hazards not contributing to the : None under normal conditions.

classification

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|------------|---|
| BBP, benzyl butyl phthalate substance listed as REACH Candidate (Benzyl butyl phthalate (BBP)) substance listed in REACH Annex XIV (Benzyl butyl phthalate (BBP)) | (CAS No) 85-68-7 (EC no) 201-622-7 (EC index no) 607-430-00-3 (REACH-no) 01-2119489376-23 | =>5 - <25 | Repr. 1B, H360Df Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| octamethylcyclotetrasiloxane | (CAS No) 556-67-2 (EC no) 209-136-7 (EC index no) 014-018-00-1 (REACH-no) 01-2119529238-36 | =>0,5 - <5 | Repr. 2, H361f Aquatic Chronic 4, H413 |
| sulfur | (CAS No) 7704-34-9 (EC no) 231-722-6 (EC index no) 016-094-00-1 (REACH-no) 01-2119487295-27 | =>1 - <5 | Skin Irrit. 2, H315 |

Full text of H-statements: see section 16

| SECTION 4: FIRST AID MEASURES | |
|--|---|
| 4.1. Description of first aid measures | |
| First-aid measures general | : If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell. |
| First-aid measures after skin contact | : Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. |
| 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. Get medical advice/attention if you feel unwell. |
| First-aid measures after ingestion | : If swallowed, rinse mouth with water (only if the person is conscious). Get medical advice/attention. |
| 4.2. Most important symptoms and effe | ts, both acute and delayed |
| Symptoms/injuries | : May damage fertility or the unborn child. |
| 4.3. Indication of any immediate medic | attention and special treatment needed |
| No specific measures identified. | |
| SECTION 5: FIREFIGHTING MEASU | FS |
| | 125 |
| 5.1. Extinguishing media | |
| Suitable extinguishing media | : Use extinguishing media appropriate for surrounding fire. Foam, carbon dioxide (CO2) and powder. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |
| 5.2. Special hazards arising from the se | stance or mixture |
| Fire hazard | : Non flammable. |
| Hazardous decomposition products in case of fire | : Carbon dioxide. Carbon monoxide. Sulphur oxides. Halogenated compounds. metallic oxide. |
| 5.3. Advice for firefighters | |
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Avoid (reject) fire-fighting water to |

enter environment.

2/9

| 300606 | Permlastic Base (Regular Body, Light Body & Heavy Body) 04/03/201 |
|--|--|
| Protection during firefighting | : Do not enter fire area without proper personal protective equipment, including respiratory protection. |
| SECTION 6: ACCIDENTAL R | ELEASE MEASURES |
| 5.1. Personal precautions, pro | stective equipment and emergency procedures |
| General measures | : Avoid contact with skin and eyes. Do not breathe vapour. Use personal protective equipment as required. No open flames. No smoking. Do not eat, drink or smoke in areas where product is used. Assure fresh air breathing. |
| For non-emergency personnel | |
| Protective equipment | : See Heading 8. |
| For emergency responders No additional information available | |
| 5.2. Environmental precaution | IS |
| Discharging into rivers and drains is f | orbidden. |
| 5.3. Methods and material for | containment and cleaning up |
| For containment | Collect all waste in suitable and labelled containers and dispose according to local legislation. |
| Methods for cleaning up | : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. |
| 6.4. Reference to other section For further information refer to section | |
| SECTION 7: HANDLING AND | D STORAGE |
| 7.1. Precautions for safe hand | lling |
| Precautions for safe handling | Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| lygiene measures | Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Remove contaminated clothes. Wash contaminated clothing before reuse. |
| 7.2. Conditions for safe storage | ge, including any incompatibilities |
| Storage conditions | Store in a dry place. Store in a closed container. Store in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| Storage area | : Store in a well-ventilated place. |
| Specific end use(s) Consult the supplier for further inform | |
| | |

8.1. Control parameters

| BBP, benzyl butyl phthalate (85-68-7) | | |
|---------------------------------------|------------------------------|------------------------|
| United Kingdom | Local name | Benzyl butyl phthalate |
| United Kingdom | WEL TWA (mg/m ³) | 5 mg/m³ |

8.2. Exposure controls

| Appropriate engineering controls | : Ensure good ventilation of the work station. | |
|----------------------------------|--|--|
| Personal protective equipment | : Gloves. Safety glasses. | |
| Hand protection | : Wear suitable gloves. Nitrile rubber gloves. Layer thickness : 0,09mm. Breakthrough time : >480 min. STANDARD EN 374 | |
| Eye protection | : Use splash goggles when eye contact due to splashing is possible. STANDARD EN 166 | |
| Skin and body protection | : Wear suitable protective clothing | |
| Respiratory protection | : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation | |
| | | |

| according to Regulation (EC) No. 1907/2006 (F | EACH) with i | its amendment Regulation (EU) 2015/830 |
|---|--------------|--|
| 300606 | Permlastic | Base (Regular Body, Light Body & Heavy Body)04/03/2016 |
| Other information | : | Do not eat, drink or smoke during use. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. For even minor contact, immediately remove contaminated clothing. Wash skin thoroughly with mild soap and water. |
| SECTION 9: PHYSICAL AND C | HEMICAL | |
| 9.1. Information on basic physica | l and chem | nical properties |
| Physical state | : | Liquid |
| Appearance | : | Paste. |
| Colour | : | white. |
| Odour | : | Sulfur. |
| Odour threshold | : | No data available |
| рН | : | No data available |
| 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 | : | No data available |
| Auto-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 | : | >1 |
| Solubility | : | Material insoluble in water. |
| Log Pow | : | No data available |
| Viscosity, kinematic | : | No data available |
| Viscosity, dynamic | : | No data available |
| Explosive properties | : | Product is not explosive. |
| Oxidising properties | : | Non flammable. |
| Explosive limits | : | No data available |

9.2. Other information

: None to our knowledge.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Additional information

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 polymerization.

10.4. Conditions to avoid

No flames. Eliminate all sources of ignition.

10.5. Incompatible materials

reducing materials.

Hazardous decomposition products 10.6.

No decomposition if stored normally.

| SECTION 11: TOXICOLOGICAL INFORMATION | | |
|--|----------------|--|
| 11.1. Information on toxicological effects | | |
| Acute toxicity : | Not classified | |
| BBP, benzyl butyl phthalate (85-68-7) | | |
| LD50 oral rat | 2330 mg/kg | |
| LD50 dermal rat | 6700 mg/kg | |
| LD50 dermal rabbit | > 10000 mg/kg | |
| LC50 inhalation rat (mg/l) | > 6.7 mg/l/4h | |

| 300606 F | Permlastic Base (Regular Body, Light Body & Heavy Body) | 04/03/2016 |
|--|---|------------|
| octamethylcyclotetrasiloxane (556-67 | -2) | |
| LD50 oral rat | 1540 mg/kg | |
| LD50 dermal rat | 1770 mg/kg | |
| LC50 inhalation rat (mg/l) | 36 mg/l/4h | |
| sulfur (7704-34-9) | | |
| LD50 oral rat | > 3000 mg/kg | |
| LD50 dermal rabbit | > 2000 mg/kg | |
| LC50 inhalation rat (mg/l) | > 0.067 mg/l/4h | |
| Skin corrosion/irritation | : Not classified | |
| Serious eye damage/irritation | : Not classified | |
| Respiratory or skin sensitisation | : Not classified | |
| Germ cell mutagenicity | : Not classified | |
| Carcinogenicity | : Not classified | |
| Reproductive toxicity | : May damage the unborn child. Suspected of damaging fertility. | |
| Specific target organ toxicity (single expos | sure) : Not classified | |
| Specific target organ toxicity (repeated exposure) | : Not classified | |
| Aspiration hazard | : Not classified | |

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - water

: Toxic to aquatic life with long lasting effects.

| BBP, benzyl butyl phthalate (85-68-7) | |
|---|---|
| LC50 fish 1 | 0.51 mg/l (96 hours - Rainbow trout) |
| EC50 Daphnia 1 | 0.76 mg/l EC50 48h - Daphnia magna [mg/l] |
| EC50 other aquatic organisms 1 | 0.9 mg/l EC50 48h crustacea |
| IC50 algae | 0.1 mg/l (96 hours - Pseudokirchneriella subcapitata) |
| NOEC (chronic) | 0.06 mg/l |
| octamethylcyclotetrasiloxane (556-67-2) | |
| LC50 fish 1 | > 500 mg/l (96 hours - Brachydanio rerio, zebra-fish) |
| EC50 Daphnia 1 | 25.2 mg/l EC50 48h - Daphnia magna [mg/l] |
| sulfur (7704-34-9) | |
| LC50 fish 1 | 866 mg/l (96 hours - Brachydanio rerio, zebra-fish) |
| EC50 Daphnia 1 | > 5000 mg/l (48 hours - Daphnia magna) |
| IC50 algae | 12 mg/l |

12.2. Persistence and degradability

| Permlastic Base (Regular Body, Light Body & Heavy Body) | | | |
|--|---|--|--|
| Persistence and degradability No data available. | | | |
| BBP, benzyl butyl phthalate (85-68-7) | | | |
| Biodegradation | 93 % (OECD 301B method) | | |
| 12.3. Bioaccumulative potential | | | |
| Permlastic Base (Regular Body, Light Body & | Heavy Body) | | |
| Bioaccumulative potential | No data. | | |
| BBP, benzyl butyl phthalate (85-68-7) | | | |
| Bioconcentration factor (BCF REACH) | 663 | | |
| Log Pow | 4.84 | | |
| octamethylcyclotetrasiloxane (556-67-2) | | | |
| Bioconcentration factor (BCF REACH) | 1698.24 | | |
| Log Pow | 5.09 | | |
| 12.4. Mobility in soil | | | |
| Permlastic Base (Regular Body, Light Body & Heavy Body) | | | |
| Ecology - soil | Insoluble. | | |
| 12.5. Results of PBT and vPvB assessment | | | |
| Permlastic Base (Regular Body, Light Body & Heavy Body) | | | |
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII | | | |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII | | | |
| | Essenticon - SDS EU v2 EN (English) 5/9 | | |

| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII None to our knowledge. No other effects known XATIONS Dispose as hazardous waste. Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector's sorting instructions. Dispose in a safe manner in accordance with local/national regulations. |
|--|
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII None to our knowledge. No other effects known XATIONS Dispose as hazardous waste. Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| No other effects known RATIONS Dispose as hazardous waste. Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| No other effects known RATIONS Dispose as hazardous waste. Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| ATIONS Dispose as hazardous waste. Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Dispose as hazardous waste. Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| : Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| : Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| : Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| : Dispose in a safe manner in accordance with local/national regulations. |
| |
| : Avoid release to the environment. |
| : 18 01 06* - chemicals consisting of or containing dangerous substances |
| ATION |
| NDN |
| |
| : 3077 |
| : 3077 |
| : 3077 |
| : 3077 |
| : 3077 |
| |
| : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. |
| : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. |
| : Environmentally hazardous substance, solid, n.o.s. |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. |
| : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. |
| UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide(1314-13-2); BBP, benzyl butyl phthalate), 9, III, (E) |
| UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS |
| |
| |
| : 9 |
| : 9 |
| |

IMDG

Transport hazard class(es) (IMDG) Danger labels (IMDG)

: 9

: 9 9 :

ID

: 9

ΙΑΤΑ

| Transport hazard class(es) (IATA) | |
|-----------------------------------|--|
| Hazard labels (IATA) | |

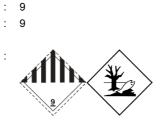
04/03/2016



ADN

300606

Transport hazard class(es) (ADN) Danger labels (ADN)



RID

Transport hazard class(es) (RID) Danger labels (RID)



: 9

14.4. Packing group

| Packing group (ADR) | : | 111 |
|-------------------------------|---|--|
| Packing group (IMDG) | | III |
| Packing group (IATA) | : | 111 |
| Packing group (ADN) | : | 111 |
| Packing group (RID) | : | III |
| 14.5. Environmental hazards | | |
| Dangerous for the environment | : | Yes |
| Marine pollutant | : | Yes |
| Other information | : | No supplementary information available |

14.6. Special precautions for user

| - Overland transport | | |
|---|---|-------------------------|
| Classification code (ADR) | : | M7 |
| Special provisions (ADR) | : | 274, 335, 601, 375 |
| Limited quantities (ADR) | : | 5kg |
| Excepted quantities (ADR) | : | E1 |
| Packing instructions (ADR) | : | P002, IBC08, LP02, R001 |
| Special packing provisions (ADR) | : | PP12, B3 |
| Mixed packing provisions (ADR) | : | MP10 |
| Portable tank and bulk container instructions (ADR) | : | T1, BK1, BK2 |
| Portable tank and bulk container special provisions (ADR) | : | TP33 |
| Tank code (ADR) | : | SGAV, LGBV |
| Vehicle for tank carriage | : | AT |
| Transport category (ADR) | : | 3 |
| Special provisions for carriage - Packages (ADR) | : | V13 |
| Special provisions for carriage - Bulk (ADR) | : | VC1, VC2 |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : | CV13 |
| Hazard identification number (Kemler No.) | : | 90 |

| 300606 F | Permlastic Base (Regular Body, Light Body & Heavy Body) | 04/03/2 |
|--|---|---------|
| Orange plates | 90 3077 | |
| Tunnel restriction code (ADR) | : E | |
| EAC code | : 2Z | |
| - Transport by sea | | |
| Special provisions (IMDG) | : 274, 335, 966, 967, 969 | |
| Limited quantities (IMDG) | : 5 kg | |
| Excepted quantities (IMDG) | : E1 | |
| Packing instructions (IMDG) | : P002, LP02 | |
| Special packing provisions (IMDG) | : PP12 | |
| IBC packing instructions (IMDG) | : IBC08 | |
| IBC special provisions (IMDG) | : B3 | |
| Tank instructions (IMDG) | : T1, BK1, BK2, BK3 | |
| Tank special provisions (IMDG) | : TP33 | |
| EmS-No. (Fire) | : F-A | |
| EmS-No. (Spillage) | : S-F | |
| Stowage category (IMDG) | : A | |
| - Air transport | | |
| PCA Excepted quantities (IATA) | : E1 | |
| PCA Limited quantities (IATA) | : Y956 | |
| PCA limited quantity max net quantity (IAT | ΓΑ) : 30kgG | |
| PCA packing instructions (IATA) | : 956 | |
| PCA max net quantity (IATA) | : 400kg | |
| CAO packing instructions (IATA) | : 956 | |
| CAO max net quantity (IATA) | : 400kg | |
| | | |

/2016

ERG code (IATA) Rail transport

No data available

Special provisions (IATA)

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

: 9L

: A97, A158, A179, A197

EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration \geq 0.1% or with a lower specific limit: Benzyl butyl phthalate (BBP) (EC 201-622-7, CAS 85-68-7)

Contains REACH Annex XIV substances:

| Substance name | Authorisation number | Sunset date | REACH authorisation exemptions |
|--|----------------------|-------------|-----------------------------------|
| Benzyl butyl phthalate (BBP) (EC 201-622-7, CAS 85-68-7) | | 21/01/2015 | |

National regulations

EC-regulation 453/2010/EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: OTHER INFORMATION

Indication of changes:

Hazards identification. Composition/information on ingredients.

| 2.1 | Classification according Modified to Regulation (EC) No. | |
|-----|---|-----|
| | Essenticon - SDS EU v2 EN (English) | 8/9 |

| according to Regulation (EC) No. 190 | () | 5 | () | |
|--------------------------------------|------------------|--|---|-----------------|
| 300606 | Permlastic Ba | se (Regular Bod | y, Light Body & Heavy Body) | 04/03/2016 |
| | 1272/2 | 008 [CLP] | | |
| 2.2 | Precautionary | | Modified | |
| | I | ents (CLP) | | |
| 2.2 | Hazard (CLP) | statements | Modified | |
| 3 | | sition/informatio | Modified | |
| 5 | | gredients | Woulled | |
| 5.2 | Hazard | - | Modified | |
| | | position | | |
| | produc | ts in case of fire | | |
| Date of issue | : 24 | /02/2004 | | |
| Revision date | : 04 | /03/2016 | | |
| Supersedes : 14/09/2 | | /09/2015 | | |
| Version | : 6.0 | | | |
| Signature | : A. Åsebø Murel | | | |
| Full text of H- and EUH-statement | S: | | | |
| Aquatic Acute 1 | | Hazardous to th | e aquatic environment — Acute Hazar | d, Category 1 |
| Aquatic Chronic 1 | | Hazardous to th | e aquatic environment — Chronic Haz | ard, Category 1 |
| Aquatic Chronic 2 | | Hazardous to th | e aquatic environment — Chronic Haz | ard, Category 2 |
| Aquatic Chronic 4 | | Hazardous to th | e aquatic environment — Chronic Haz | ard, Category 4 |
| Repr. 1B | | Reproductive toxicity, Category 1B | | |
| Repr. 2 | | Reproductive toxicity, Category 2 | | |
| Skin Irrit. 2 | | Skin corrosion/irritation, Category 2 | | |
| H315 | | Causes skin irritation | | |
| H360Df | | May damage the unborn child. Suspected of damaging fertility | | |
| H361f | | Suspected of damaging fertility | | |
| H400 | | Very toxic to aquatic life | | |
| H410 | | Very toxic to aquatic life with long lasting effects | | |
| H411 | | Toxic to aquatic life with long lasting effects | | |
| H413 | | May cause long | lasting harmful effects to aquatic life | |

The information in this safety data sheet is based on information from the manufacturer/supplier, present European and national legislation, and presupposes that the product is used within the specified area of application.

301<u>332</u>

Permlastic Catalyst (Light Body)

30/12/2017 Version: 6.0



Safety Data Sheet Permlastic Catalyst (Light Body)

Manufacturer

Kerr Italia S.r.l.

Via Passanti, 332 84018 Scafati (SA) - Italy

T +39-081-850-8311

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name

: Permlastic Catalyst (Light Body)

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

Relevant identified uses

Main use category

Use of the substance/mixture

: Professional use

: Preparation intended for dental medical use

Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier KERRHAWE S.A. Via Strecce n°4 6934 Bioggio (Switzerland) T 00-800-41-050-505

Contact person : safety@kerrhawe.com - tel. 00-800-41-050-505 (08.00-17.00)

1.4. Emergency telephone number

Emergency number

CHEMTREC® Emergency Call Center. Emergency Telephone Number (for USA only) 001-800-424-9300 International and Maritime Telephone Number +1 (703) 527-3887

| Country | Organisation/Company | Address | Emergency number |
|----------------|--|---|--|
| Gibraltar | GHA Call Centre Zone 2, Level3, St Bernard's Hospital | Harbour Views Road | +350 200 79700 +350 200 72266 |
| Ireland | National Poisons Information Centre Beaumont Hospital | PO Box 1297 Beaumont Road 9 Dublin | +353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7) |
| Malta | Medicines & Poisons Info Office | Mater Dei Hospital MSD Msida | +356 2545 6504 |
| United Kingdom | National Poisons Information Service (Newcastle Unit) | Claremont Place Newcastle-upon-Tyne, Newcastle | +44 191 2606182/+44 191 2606180 24H |

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Full text of H statements : see section 16

:

Permlastic Catalyst (Light Body)

2.2. Label elements

301332

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

Hazard pictograms (CLP)

| | × |
|-------|-------|
| GHS08 | GHS09 |

| | GHS08 GHS09 |
|--------------------------------|---|
| Signal word (CLP) | : Danger |
| Hazardous ingredients | : lead dioxide |
| Hazard statements (CLP) | H360 - May damage fertility or the unborn child. H373 - May cause damage to organs through prolonged or repeated exposure. H410 - Very toxic to aquatic life with long lasting effects. |
| Precautionary statements (CLP) | P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P260 - Do not breathe vapours, dust. P273 - Avoid release to the environment. P280 - Wear eye protection, protective gloves, protective clothing. P314 - Get medical advice/attention if you feel unwell. P391 - Collect spillage. P405 - Store locked up. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| Extra phrases | The product is seen as a medical device and therefore not subject to labelling (EU-regulation 1272/2008, article 1, paragraph 5d). A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis |
| | |

2.3. Other hazards

Other hazards not contributing to the : No classification

: None under normal conditions.

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

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 (REACH-no) 01-2119463881-32 | 10 - 50 | Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 |
| lead dioxide | (CAS-No.) 1309-60-0 (EC-No.) 215-174-5 (REACH-no) 01-2119958814-25 | 5 - 25 | Ox. Sol. 2, H272 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Repr. 1A, H360 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |

Full text of H-statements: see section 16

| : IF exposed or concerned: Get medical advice/attention. |
|---|
| Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell. |
| : Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. |
| : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell. |
| |

| First-aid measures after ingestion : If evaluated interm outh with water (only if the parson is conscious). Get medical advice/aitemion. 4.2. Most important symptoms and effects, both actue and delayed Symptomiselfacts : May cause damage to organs. May damage forfilly. May damage the unborn child. 4.3. Indicator of any immediate medical attention and special transmit needed Not important symptoms and effects, both actue and delayed Strength of any immediate medical attention and special transmit needed Not important symptoms parsist, seek medical attention. SECTION 5: FIREFIGHTING MEASURES 5.1 Extinguishing media : Use extinguishing media appropriate for surrounding fire. Foam, carbon dioxide (CO2) and power Unsuitable extinguishing media : Do not use a heavy water stream. 5.2 Special heards arting from the substance or mature Fire hazard : Non flammable. Hazardous decomposition products in case of : Carbon dioxide. Carbon monoxide. metallic oxide. Nitrogen oxides. Lead compounds : fire Fire dightling instructions : Use water spray or fog for cooling exposed containers. Prevent fire fightling water from entight the environment. Protoching proceutions, protective equipment and emergency procedures | according to Regulation (EC) No. 1907/2006 (REACH) 301332 | with its amendment Regulation (EU) 2015/830 Permlastic Catalyst (Light Body) 30/12/201 ⁻ |
|---|--|---|
| Symptoms/effects : May cause damage to organs. May damage fertility. May damage the unborn child. 4.3. Indication of any immediate medical attention and special freatment needed No specific measures identified. In all cases of doubt. or when symptoms persist, seek medical attention. SECTION 5: FIREFIGHTING MEASURES 5.1. Extinguishing media is use attention and appropriate for surrounding fire. Foam, carbon dioxide (CO2) and portion. Statele extinguishing media is use attention in the substance or mixture Fire hazard : No finammabie. Hazardous decomposition products in case of : Carbon dioxide. Carbon monoxide. metallic oxide. Nitrogen oxides. Lead compounds : fire hazard : No finammabie. Hazardous decomposition products in case of : Carbon dioxide. Carbon monoxide. metallic oxide. Nitrogen oxides. Lead compounds : infer fighting instructions : Use water spray or fog for cooling exposed containers. Prevent fire fighting water from entering the environment. Protection during firefighting : Do not sure a therea yree without proper personal protective equipment, including respiratory protection. SECTION 6: ACCIDENTAL RELEASE MEASURES 6.1. Personal protective equipment and emergency procedures General measures : Avoid context with skin and eyes. Use personal protective equipment as required. Avoid all substain exclusion. Substaine and measures. Do not exit, firk or somoke in areas where product is used. Ensure adequate ventilation, especially in confined areas. For emergency personnel Protective equipment and ensures. Do not exit, firk or somoke in areas where product is used. Ensure adequate ventilation available 6.3. Environmental proceations Distructions or wallable 6.4. Reference to other sections For emergency personnel For exections For emergency pe | First-aid measures after ingestion | : If swallowed, rinse mouth with water (only if the person is conscious). Get medical |
| A.3. Indication of any immediate medical attention and special treatment needed No specific measures identifies. In all cases of doubt, or when symptoms pensist, seek medical attention. SECTION 5: FIGEFIGHTINE MEASURES Stabile extinguishing media : Use extinguishing media appropriate for surrounding fire. Feam, carbon dioxide (CO2) and ponder. Unsuitable extinguishing media : Do not use a heavy water sizeam. S.5. Special hazards arising from the substance or mixture Fire hazard : Non flammable. Hazardous decomposition products in case of : Carbon dioxide. Carbon monoxide. metallic oxide. Nitrogen oxides. Lead compounds : inferifything intructions : Use water spray or fog for cooling exposed containers. Prevent fire fighting water from entitleng the environment. Protection during frefighting: Do not use of any environment. Protection during frefighting regulations, protective equipment an equipment and emergency procedures Section 6: ACCIDENTAL RELEASE MEASURES Section 9: ACCIDENTAL RELEASE MEASURES Section 9: Accid contract with skin and eyes. Use personal protective equipment as required. Avoid all unrecessary episode. For anon-emergency personnel Protection during inferiginting : See Heading 8. Emergency procedures : Evacuate unnecessary personnel. For containment : See Heading 8. Environmental precautions Social and contains is forbidden. Notify authorities if liquid enters severs or public waters. A Motod sond matorial for containment and cleaning up For containment in evers and drans is forbidden. Notify authorities if liquid enters severs or public waters. Methods and matorial for containment and cleaning up For containment in fores and is personal protection. Section 2: Sociak up spills with intert solids, such as clay or diatomaceous earth as soon as possible. A Reforence to other s | | |
| No specific measures identified. In all cases of doubt, or when symptoms persist, seek medical attention. SECTION 15 FIREFIGHTING MEASURES Suitable extinguishing media Suitable extinguishing media Coverer, Charamaba Coverer, Charamaba Coverer, Cove | | |
| SECTION 5. FIREFIGHTING MEASURES 5.1 Extinguishing media Suitable extinguishing media : Ube extinguishing media : Ube extinguishing media : Disultable extinguishing media : Standard excomposition products in case of : Cathon Control Cont | - | • |
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| 7.1. Precautions for safe handling Image: Control in the sum of the sum | | leading 8. Exposure controls and personal protection. |
| Precautions for safe handling : Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Hygiene measures : Avoid all eye and skin contact and do not breathe vapour and mist. Always wash hands after handling the product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 7.2. Conditions for safe storage, including any incompatibilities Storage conditions : Store in a dry place. Store in a closed container. Store in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Incompatible materials : reducing materials. Food. Storage area : Store in a well-ventilated place. 7.3. Specific end use(s) | SECTION 7: HANDLING AND STORA | AGE |
| clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Hygiene measures : Avoid all eye and skin contact and do not breathe vapour and mist. Always wash hands after handling the product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 7.2. Conditions for safe storage, including any incompatibilities Storage conditions : Store in a dry place. Store in a closed container. Store in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Incompatible materials : reducing materials. Food. Storage area : Store in a well-ventilated place. 7.3. Specific end use(s) | 7.1. Precautions for safe handling | |
| after handling the product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 7.2. Conditions for safe storage, including any incompatibilities Storage conditions : Store in a dry place. Store in a closed container. Store in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Incompatible materials : reducing materials. Food. Storage area : Store in a well-ventilated place. 7.3. Specific end use(s) | Precautions for safe handling | clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Obtain special instructions before use. Do not handle until all safety |
| Storage conditions : Store in a dry place. Store in a closed container. Store in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Incompatible materials : reducing materials. Food. Storage area : Store in a well-ventilated place. 7.3. Specific end use(s) | Hygiene measures | after handling the product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing |
| heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. ncompatible materials : reducing materials. Food. Storage area : Store in a well-ventilated place. 7.3. Specific end use(s) | 7.2. Conditions for safe storage, includi | ng any incompatibilities |
| Storage area : Store in a well-ventilated place. 7.3. Specific end use(s) | Storage conditions | |
| 7.3. Specific end use(s) | | - |
| | - | : Store in a well-ventilated place. |
| | 7.3. Specific end use(s) For professional use only. | |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

301332

| lead dioxide (1309-60-0) | | | | |
|--------------------------|--|----------------------------------|--|--|
| EU | Local name | Lead and its inorganic compounds | | |
| EU | IOELV TWA (mg/m ³) | 100 μg/m³ | | |
| EU | Notes | SCOEL Recommendations (2002) | | |
| Ireland | Local name | Lead | | |
| Ireland | OEL (8 hours ref) (mg/m ³) | 0.15 mg/m³ | | |
| Ireland | Notes (IE) | Repr.1A, BOELV | | |
| zinc oxide (1314-13-2) | | | | |
| EU | Local name | Zinc oxide | | |
| EU | Notes | (Ongoing) | | |
| Ireland | Local name | Zinc oxide, fume | | |
| Ireland | OEL (8 hours ref) (mg/m ³) | 2 mg/m³ R (Respirable) | | |
| Ireland | OEL (15 min ref) (mg/m3) | 10 mg/m ³ | | |

Permlastic Catalyst (Light Body)

8.2. Exposure controls Appropriate engineering controls

Personal protective equipment

: Ensure good ventilation of the work station.

respirator for toxic particles. Standard EN 143.

>480 min. STANDARD EN 374.

: Wear suitable protective clothing

: Gloves.

Hand protection

Eye protection

Skin and body protection

Respiratory protection



Other information

: Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

: Wear suitable gloves. Nitrile rubber gloves. Layer thickness : 0,09mm. Breakthrough time :

: Use splash goggles when eye contact due to splashing is possible. STANDARD EN 166.

: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. If dust are formed : Extra personal protection: P3 filter

| SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES | | |
|---|--------------------------------|--|
| 9.1. Information on basic physical and | chemical properties | |
| Physical state | : Solid | |
| Appearance | : Paste. | |
| Colour | : brown. Violet. Grey. | |
| Odour | : Fruity. | |
| Odour threshold | : Not determined | |
| рН | : Not determined | |
| Relative evaporation rate (butylacetate=1) | : Not determined | |
| Melting point | : Not determined | |
| Freezing point | : Not determined | |
| Boiling point | : Not determined | |
| Flash point | : Not determined | |
| Auto-ignition temperature | : Not determined | |
| Decomposition temperature | : Not determined | |
| Flammability (solid, gas) | : Non flammable. | |
| Vapour pressure | : Not determined | |
| Relative vapour density at 20 °C | : Not determined | |
| Relative density | : >1 | |
| Solubility | : Material insoluble in water. | |
| Log Pow | : Not determined | |
| Viscosity, kinematic | : Not determined | |

| 301332 | Permlastic Catalyst (Light Body) | 30/12/2017 |
|----------------------|----------------------------------|------------|
| Viscosity, dynamic | : Not determined | |
| Explosive properties | : Product is not explosive. | |
| Oxidising properties | : Non flammable. | |
| Explosive limits | : Not determined | |

9.2. Other information

: None to our knowledge.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Additional information

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 polymerization.

10.4. Conditions to avoid

No flames. Eliminate all sources of ignition. Keep away from heat and direct sunlight.

10.5. Incompatible materials

reducing materials. oxidizing materials.

10.6. Hazardous decomposition products

No decomposition if stored and used normally.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

| Acute toxicity | : Not classified |
|-----------------------------------|--|
| ATE CLP (oral) | 2512.6 mg/kg bodyweight |
| zinc oxide (1314-13-2) | |
| LD50 oral rat | > 15000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| LC50 inhalation rat (mg/l) | 5.7 mg/l/4h |
| Skin corrosion/irritation | : Not classified |
| | Based on available data, the classification criteria are not met |
| | pH: Not determined |
| Serious eye damage/irritation | : Not classified |
| | Based on available data, the classification criteria are not met |
| | pH: Not determined |
| 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 | : May damage fertility or the unborn child. |
| STOT-single exposure | : Not classified |
| | Based on available data, the classification criteria are not met |
| STOT-repeated exposure | : May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard | : Not classified |
| | Based on available data, the classification criteria are not met |

| SECTION 12: ECOLOGICAL INFORMATION | | | |
|------------------------------------|---|--|--|
| 12.1. Toxicity | | | |
| Ecology - general | : Very toxic to aquatic life with long lasting effects. | | |
| zinc oxide (1314-13-2) | | | |
| LC50 fish 1 | 1.1 mg/l (96 hours - Rainbow trout) | | |
| EC50 Daphnia 1 | 98 μg/l (48 hours - Daphnia magna) | | |
| NOEC (chronic) | 0.017 mg/l 72 hours - Pseudokirchnerella subcapitata | | |

301332

30/12/2017

| 12.2. | Persistence and degradability | | | | |
|--|---|--|--|--|--|
| Perm | Permlastic Catalyst (Light Body) | | | | |
| Persis | tence and degradability | No data available. | | | |
| 12.3. | Bioaccumulative potential | | | | |
| Perm | astic Catalyst (Light Body) | | | | |
| Log P | | Not determined | | | |
| Bioac | cumulative potential | No data. | | | |
| lead o | lioxide (1309-60-0) | | | | |
| Bioco | ncentration factor (BCF REACH) | 70000 | | | |
| zinc c | oxide (1314-13-2) | | | | |
| Bioco | ncentration factor (BCF REACH) | 60960 | | | |
| 12.4. | Mobility in soil | | | | |
| Perm | astic Catalyst (Light Body) | | | | |
| Ecolo | gy - soil | Insoluble. | | | |
| 12.5. | Results of PBT and vPvB assessmer | ıt | | | |
| Perm | astic Catalyst (Light Body) | | | | |
| This s | ubstance/mixture does not meet the PBT | criteria of REACH regulation, annex XIII | | | |
| This s | ubstance/mixture does not meet the vPvB | criteria of REACH regulation, annex XIII | | | |
| 12.6. | Other adverse effects | | | | |
| Other a | dverse effects | : None to our knowledge. | | | |
| Additior | nal information | : Avoid release to the environment. | | | |
| SECT | ION 13: DISPOSAL CONSIDER | ATIONS | | | |
| 13.1. | Waste treatment methods | | | | |
| Regiona | al legislation (waste) | : Dispose as hazardous waste. | | | |
| Waste t | reatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. Do not discharge into drains. | | | |
| Product | /Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to a hazardous or special waste collection point. | | | |
| Ecology | / - waste materials | : Avoid release to the environment. | | | |
| European List of Waste (LoW) code : 18 01 06* - chemicals consisting of or containing dangerous substances | | | | | |

Permlastic Catalyst (Light Body)

SECTION 14: TRANSPORT INFORMATION

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

| ADR | IMDG | IATA | ADN | RID |
|---|--|--|---|--|
| 14.1. UN number | | | | |
| 3077 | 3077 | 3077 | 3077 | 3077 |
| 14.2. UN proper shippi | ing name | · | | |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. | Environmentally hazardous substance, solid, n.o.s. | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. | ENVIRONMENTALL Y HAZARDOUS SUBSTANCE, SOLID, N.O.S. |
| Transport document descu | ription | 1 | 1 | 1 |
| UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide), 9, III, (-) | UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide), 9, III, MARINE POLLUTANT | | | |
| 14.3. Transport hazard | class(es) | | | |
| 9 | 9 | 9 | 9 | 9 |
| | | | | |

| 301332 | P | ermlastic Catalyst (Light B | sody) | 30/12/2017 |
|--|--|-------------------------------------|-------------------------------------|-------------------------------------|
| ADR | IMDG | IATA | ADN | RID |
| 14.4. Packing grou | q | | | |
| III | 111 | III | III | 111 |
| 14.5. Environment | al hazards | | | |
| Dangerous for the environment : Yes | Dangerous for the environment : Yes Marine pollutant : Yes | Dangerous for the environment : Yes | Dangerous for the environment : Yes | Dangerous for the environment : Yes |
| No supplementary information available | | | | |

14.6. Special precautions for user

| - Overland transport Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Hazard identification number (Kemler No.) Orange plates | : 274, 335, 375, 601 : 5kg : E1 : 90 : 90 |
|---|--|
| EAC code | 3077 |
| - Transport by sea | |
| Special provisions (IMDG) | : 274, 335, 966, 967, 969 |
| EmS-No. (Fire) | : F-A |
| EmS-No. (Spillage) | : S-F |
| - Air transport | |
| PCA Excepted quantities (IATA) | : E1 |
| PCA Limited quantities (IATA) | : Y956 |
| Special provisions (IATA) | : A97, A158, A179, A197 |

Rail transport

No data available

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

EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

National regulations

EC-regulation 2015/830 /EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: OTHER INFORMATION

Indication of changes:

| 2.1 | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Modified | |
|------|---|----------|--|
| 2.2 | Precautionary statements (CLP) | Modified | |
| 2.2 | Hazard statements (CLP) | Modified | |
| 3 | Composition/informatio n on ingredients | Modified | |
| 10.5 | Incompatible materials | Modified | |

| 301332 | Permlastic Catalyst (Light Body) | 30/12/2017 |
|------------------------|----------------------------------|------------|
| Date of issue | : 03/03/2004 | |
| Revision date | : 30/12/2017 | |
| Supersedes | : 03/01/2017 | |
| Date of total revision | : 30/12/2017 | |
| Version | : 6.0 | |
| Signature | : A. Åsebø Murel | |

Full text of H- and EUH-statements:

| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 | |
|-------------------------------------|--|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 | |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 | |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 | |
| Ox. Sol. 2 | Oxidising Solids, Category 2 | |
| Repr. 1A | Reproductive toxicity, Category 1A | |
| STOT RE 2 | Specific target organ toxicity — Repeated exposure, Category 2 | |
| H272 | May intensify fire; oxidiser. | |
| H302 | Harmful if swallowed. | |
| H332 | Harmful if inhaled. | |
| H360 | May damage fertility or the unborn child. | |
| H373 | May cause damage to organs through prolonged or repeated exposure. | |
| H400 | Very toxic to aquatic life. | |
| H410 | Very toxic to aquatic life with long lasting effects. | |

The information in this safety data sheet is based on information from the manufacturer/supplier, present european and national legislation, and presupposes that the product is used within the specified area of application.