

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.:	0061B	PM Cast Iron A Powder (0061)	
Print date:	06.08.2020	Revision date: 30.01.2020	EN
Version:	6.0	Issue date: 30.01.2020	Page 1 / 8

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

1.1. Product identifier

Article No. (manufacturer/supplier)	0061B
Trade name/designation	PM Cast Iron A Powder (0061)

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

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

DIAMANT Metallplastic GmbH	
Hontzlarstr. 12-14	Telephone: +49(0)2166-98360
41238 Mönchengladbach	Telefax: +49(0)2166-83025

Department responsible for information:

Lab	
E-mail (competent person)	info@diamant-polymer.de

1.4. Emergency telephone number

Emergency telephone number	+49(0)2166-98360
Only available during office hours.	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
STOT RE 1 / H372	STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aquatic Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic organisms.
Aquatic Chronic 1 / H410	Hazardous to the aquatic environment	Very toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms



Danger

Hazard statements

H317	May cause an allergic skin reaction.
H372	Causes damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P260	Do not breathe vapour.
P261	Avoid breathing vapours.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves and eye/face protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P314	Get medical advice/attention if you feel unwell.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P391	Collect spillage.
P501	Dispose of contents/container to industrial incineration plant.

Hazard components for labelling

dibenzoyl peroxide
Quartz

Supplemental hazard information

not applicable

2.3. Other hazards

No information available.

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 0061B PM Cast Iron A Powder (0061)
Print date: 06.08.2020 Revision date: 30.01.2020
Version: 6.0 Issue date: 30.01.2020

EN
Page 2 / 8

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description Benzoyl peroxide mixture, fillers

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

EC No. CAS No. INDEX No.	REACH No. Designation classification: // Remark	weight-%
231-175-3 7440-66-6 030-001-01-9 238-878-4 14808-60-7	01-2119467174-37-XXXX zinc powder - zinc dust (stabilised) Aquatic Acute 1 H400 / Aquatic Chronic 1 H410 01-0000015005-83-XXXX Quartz STOT RE 1 H372	25 - 50
202-327-6 94-36-0 617-008-00-0	01-2119511472-50-XXXX dibenzoyl peroxide Eye Irrit. 2 H319 / Skin Sens. 1 H317 / Aquatic Acute 1 H400 / Aquatic Chronic 1 H410 / Org. Perox. B H241	1 - 2,5
215-222-5 1314-13-2 030-013-00-7	01-2119463881-32-XXXX zinc oxide Aquatic Acute 1 H400 / Aquatic Chronic 1 H410	1 - 2,5
231-955-3 7782-42-5	01-2119486977-12-XXXX Carbon, inorganic Substance with a common (EC) occupational exposure limit value.	0,5 - 2,5

Additional information

Full text of classification: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners. Wash contaminated clothing before reuse.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

carbon dioxide, Powder.

Unsuitable extinguishing media

strong water jet, alcohol resistant foam, spray mist, (water).

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 0061B PM Cast Iron A Powder (0061)
Print date: 06.08.2020 Revision date: 30.01.2020
Version: 6.0 Issue date: 30.01.2020

EN
Page 3 / 8

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Take precautionary measures against static discharges. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. Personal protection equipment: refer to section 8. Follow the legal protection and safety regulations. To avoid the risk of fire, do not allow this product to dry out. Explosive when dry.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Lighting and other electric equipment must be explosion protected in order to avoid hot surfaces, sparks and other ignition sources. Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Always close containers tightly after the removal of product.

Hints on joint storage

Keep away from combustible material. Keep away from strongly acidic and alkaline materials as well as oxidizers. Keep away from amines, alcohols and water.

Further information on storage conditions

Always keep in containers that correspond to the material of the original container. Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 20 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition.

7.3. Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

not applicable

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Personal protection equipment

Respiratory protection

If the formation of dust is beyond the occupational exposure limit values, approved and suitable respiratory protection must be

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 0061B
Print date: 06.08.2020
Version: 6.0

PM Cast Iron A Powder (0061)
Revision date: 30.01.2020
Issue date: 30.01.2020

EN
Page 4 / 8

used. Recommended respiratory protection articles: ABEK-P2. Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection

For prolonged or repeated handling the following glove material must be used: Nitrile rubber or butyl rubber
Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.
Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374
Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Wear closely fitting protective glasses in case of splashes.

Body protection

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

*

Appearance:

Physical state: solid
Colour: refer to label

Odour: characteristic

Odour threshold: not applicable

pH at 20 °C: not applicable

Melting point/freezing point: not applicable

Initial boiling point and boiling range: not applicable

Flash point: not applicable

Evaporation rate: not applicable

flammability

Burning time (s): not applicable

Upper/lower flammability or explosive limits:

Lower explosion limit: not applicable

Upper explosion limit: not applicable

Vapour pressure at 20 °C: not applicable

Vapour density: not applicable

Relative density:

Density at 20 °C: 2,00 g/cm³

Solubility(ies):

Water solubility (g/L) at 20 °C: insoluble

Partition coefficient: n-octanol/water: see section 12

Auto-ignition temperature:

500 °C

Source: zinc powder - zinc dust (stabilised)

Decomposition temperature: not applicable

Viscosity at °C: Pulver

Explosive properties: not applicable

Oxidising properties: not applicable

9.2. Other information

Solid content (%): 100,00 weight-%

solvent content:

Organic solvents: 0 weight-%

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 0061B PM Cast Iron A Powder (0061)
Print date: 06.08.2020 Revision date: 30.01.2020
Version: 6.0 Issue date: 30.01.2020

EN
Page 5 / 8

Water: 0 weight-%

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

not applicable

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures e.g.: carbon dioxide, carbon monoxide, smoke.

SECTION 11: Toxicological information

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

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation; Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Based on available data, the classification criteria are not met.

STOT-single exposure; STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Quartz

Specific target organ toxicity (repeated exposure)

lung

Aspiration hazard

Based on available data, the classification criteria are not met.

Practical experience/human evidence

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Remark

There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

SECTION 12: Ecological information

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

Do not allow to enter into surface water or drains.

12.1. Toxicity

Very toxic to aquatic organisms.

Long-term Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 0061B PM Cast Iron A Powder (0061)
Print date: 06.08.2020 Revision date: 30.01.2020
Version: 6.0 Issue date: 30.01.2020

EN
Page 6 / 8

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

**Appropriate disposal / Product
Recommendation**

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080201 waste coating powders

**Appropriate disposal / Package
Recommendation**

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1. UN number

UN 3077

14.2. UN proper shipping name

Land transport (ADR/RID):

Environmentally hazardous substance, solid, n.o.s.
((zinc powder - zinc dust (stabilised)))

Sea transport (IMDG):

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
((zinc powder - zinc dust (stabilised)))

Air transport (ICAO-TI / IATA-DGR):

Environmentally hazardous substance, solid, n.o.s.
((zinc powder - zinc dust (stabilised)))

14.3. Transport hazard class(es)

9

14.4. Packing group

III

14.5. Environmental hazards

Land transport (ADR/RID)

UMWELTGEFÄHRDEND

Marine pollutant

p / (Dibenzoyl peroxide)

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

Further information

Land transport (ADR/RID)

tunnel restriction code

-

in packages ≤ 5 kg

"Kein Gut der Klasse 9"

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 0061B PM Cast Iron A Powder (0061)
Print date: 06.08.2020 Revision date: 30.01.2020
Version: 6.0 Issue date: 30.01.2020

EN
Page 7 / 8

Sea transport (IMDG)

EmS-No. F-A, S-F
in packages <= 5 kg "not restricted 2.10.2.7"

Air transport (ICAO-TI / IATA-DGR)

in packages <= 5 kg "Not restricted, as per Special Provision A197"

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

EU legislation

Directive 2010/75/EU on industrial emissions

VOC-value (in g/L): 0

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Substance/product listed in the following inventories:

AICS keine Information (AICSK-EN.rtf)
DSL keine Information (DSLK-EN.rtf)
IECSC keine Information (IECSCK-EN.rtf)
KECI keine Information (KECIK-EN.rtf)
PICCS keine Information (PICCSK-EN.rtf)
No information of listing in TOXIC SUBSTANCES CONTROL ACT (TSCA)

15.2. Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

EC No. CAS No.	Designation	REACH No.
231-175-3 7440-66-6	zinc powder - zinc dust (stabilised)	01-2119467174-37-XXXX
238-878-4 14808-60-7	Quartz	01-0000015005-83-XXXX
202-327-6 94-36-0	dibenzoyl peroxide	01-2119511472-50-XXXX
215-222-5 1314-13-2	zinc oxide	01-2119463881-32-XXXX
231-955-3 7782-42-5	Carbon, inorganic	01-2119486977-12-XXXX

SECTION 16: Other information

Full text of classification in section 3:

Aquatic Acute 1 / H400 Hazardous to the aquatic environment
Aquatic Chronic 1 / H410 Hazardous to the aquatic environment

STOT RE 1 / H372 STOT-repeated exposure

Eye Irrit. 2 / H319 Serious eye damage/eye irritation
Skin Sens. 1 / H317 Respiratory or skin sensitisation
Org. Perox. B / H241 Organic peroxides

Classification procedure

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Skin Sens. 1 Respiratory or skin sensitisation Calculation method.
STOT RE 1 STOT-repeated exposure Calculation method.

Very toxic to aquatic organisms.
Very toxic to aquatic life with long lasting effects.
Causes damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
Causes serious eye irritation.
May cause an allergic skin reaction.
Heating may cause a fire or explosion.

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.:	0061B	PM Cast Iron A Powder (0061)	
Print date:	06.08.2020	Revision date: 30.01.2020	EN
Version:	6.0	Issue date: 30.01.2020	Page 8 / 8

Aquatic Acute 1	Hazardous to the aquatic environment	Calculation method.
Aquatic Chronic 1	Hazardous to the aquatic environment	Calculation method.

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

Further information

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

* Data changed compared with the previous version