

# SAFETY DATA SHEET

**PLASTI CHEMIE**

[in accordance with the regulation no 1907/2006 (REACH) and 453/2010]

**Produktionsgesellschaft mbH**

Revision: 30.10.2018

Version: 2/EN

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

### 1.1 Product identifier

Trade name: **PLASTIFLOOR® 051**

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

Relevant identified uses: coating.

Uses advised against: not determined.

### 1.3 Details of the supplier of the safety data sheet

Supplier: **Plasti-Chemie Produktionsgesellschaft mbH**  
Address: Falgardring 1  
D-08223 Falkenstein  
Germany

Telephone/Fax number: +49 3745/74432-0 / +49 3745/74432-27

**E-mail address for a competent person responsible of sds:** volkmar.lull@plasti-chemie.de

**Further information provided by:** Mr. Volkmar Lull, +49 3745/74432-0

### 1.4 Emergency telephone number

Chemtrec: 1-800-424-9300 for US

+1 703-527-3887 outside US

**Europa 112**

**Österreich** +43 1 406 43 43

**Belgien** Poison center (BE): +32 70 245 245

**Dänemark** Poison Control Hotline (DK): +45 82 12 12 12

**Finnland** Poison Information Centre (FI): +358 9 471 977

**Frankreich** ORFILA (FR): + 01 45 42 59 59

**Deutschland** Giftnotruf Berlin, Tel. 030 30686 790

Poison Center Nord: +49 551 19240 (24h erreichbar, Deutsch und Englisch)

Poison Information Centre Erfurt: +49 361 730730 (Gemeinsames Giftinformationszentrum der Länder Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thüringen c/o HELIOS Klinikum Erfurt Nordhäuser Straße 74, 99089 Erfurt)

**Irland** National Poisons Information Centre (IE): +353 1 8379964

**Island** +354 543 2222

**Italien** Poison Center, Milan (IT): +39 02 6610 1029

**Luxemburg** 112

**Niederlande** National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)

**Norwegen** Poisons Information (NO): + 47 22 591300

**Portugal** Poison Information Center (PT): +351 21 330 3284

**Spanien** Poison Information Service (ES): +34 91 562 04 20

**Schweden** Poisons Information Center (SV): +46 8 33 12 31

**Schweiz** Poison Center: Tel 145; +41 44 251 51 51

**Großbritannien** NHS Direct (UK): +44 (0) 845 46 47; 111

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to 1272/2008/EC

Skin Sens 1 H317 May cause an allergic skin reaction.

Repr. 1B H360D May damage the unborn child.

# SAFETY DATA SHEET

**PLASTI CHEMIE**

[in accordance with the regulation no 1907/2006 (REACH) and 453/2010]

**Produktionsgesellschaft mbH**

Revision: 30.10.2018

Version: 2/EN

## 2.2 Label elements

### Hazard symbols and signal words



**DANGER**

### Product identifier

Contains: Dibenzoylperoxid, Dicyclohexylphthalat.

### Hazard statements

H317 May cause an allergic skin reaction.

H360D May damage the unborn child.

### Precautionary statements

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P333+313 If skin irritation or a rash occurs: Get medical advice/attention.

P362+364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents and container according to local regulation.

## 2.3 Other hazards

The components of this mixture do not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

Chemical characterization: Mixtures, Dibenzoylperoxid, Dicyclohexylphthalat.

#### *Dangerous ingredients:*

CAS: 94-36-0 EINECS: 202-327-6 Indexnummer: 617-008-00-0 REACH Reg. Nr.: 01-2119511472-50-XXXX	<u>Dibenzoylperoxid</u> Classification acc. to 1272/2008/EC: Org. Perox. B H241, Eye Irrit. 2 H319, Skin Sens. 1 H317, Aquatic. Acute 1 H400 (M=10), Aquatic Chronic 1 H410	< 1 %
CAS: 84-61-7 EINECS: 201-545-9 Indexnummer: - REACH Reg. Nr.: 01-2119978223-34-XXXX	<u>Dicyclohexylphthalat</u> Classification acc. to 1272/2008/EC: Repr. 1B H360D, Skin Sens. 1 H317, Aquatic Chronic 3 H412	< 1 %

# SAFETY DATA SHEET

**PLASTI CHEMIE**

[in accordance with the regulation no 1907/2006 (REACH) and 453/2010]

**Produktionsgesellschaft mbH**

Revision: 30.10.2018

Version: 2/EN

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General information

Take off contaminated clothing immediately. Move the victim to fresh air.

#### Inhalation:

Consult a doctor if disturbing symptoms appear. Move the victim to fresh air. Keep victim warm and calm.

#### Skin contact

Wash the contaminated skin thoroughly with plenty of water. Take off contaminated clothing immediately. Consult a doctor if disturbing symptoms appear.

#### Eye contact

Protect the non-irritated eye, remove contact lenses. Wash the contaminated eye with plenty of water for several minutes. Avoid powerful water stream – risk of cornea damage. Consult a doctor if disturbing symptoms appear.

#### Ingestion

Do not induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a doctor immediately, show the container or label.

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

The product may trigger sensitisation of the skin and respiratory tract. Treatment of acute eye/skin irritation is primarily symptomatic. Extended medical treatment may be required depending on the degree of exposure and the severity of the symptoms.

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

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Symptomatic treatment.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media: Waterspray, CO<sub>2</sub>, sand, extinguishing powder.

### 5.2 Special hazards arising from the substance or mixture

During the fire, the product may produce toxic fumes of carbon oxides, nitric oxides. Do not inhale combustion products, they can be dangerous for human health.

### 5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective measures. Ensure adequate ventilation. Avoid skin and eyes contamination. Do not breathe vapors. Keep away from sources of ignition.

### 6.2 Environmental precautions

Do not allow product to reach sewage system, water bodies or ground/soil

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

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

Stop leakage if possible. Eliminate all sources of ignition, and do not generate flames or sparks. Do not flush with water or aqueous cleaning agents. Collect in a suitable container. Treat the collected material as waste. Clean the contaminated place and ventilate it.

### 6.4 Reference to other sections

Appropriate conduct with waste product – section 13. Personal protective equipment – see section 8.

# SAFETY DATA SHEET

**PLASTI CHEMIE**

[in accordance with the regulation no 1907/2006 (REACH) and 453/2010]

**Produktionsgesellschaft mbH**

Revision: 30.10.2018

Version: 2/EN

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Avoid contact with skin and eyes. Do not breathe vapors. Before break and after work wash hands. Use only in accordance with the identified purpose. Keep away from ignition sources. Do not eat, drink or smoke when using this product. Protect against electrostatic charges. Use only non-sparking tools. Ensure good interior ventilation, especially at floor level.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in a dry, cool and well-ventilated area. Keep away from high temperatures and direct sunlight. Temperature recommended for storage: 5 - 25°C. Keep containers tightly sealed. Do not allow to dry out. Avoid contact with skin and eyes. Avoid incompatible materials.

### 7.3 Specific end use(s)

No information about other uses than those mentioned in subsection 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

<b>Dibenzoylperoxid CAS 94-36-0</b>		
AGW	5 mg/m <sup>3</sup>	germany

Legal basis: Commission Directive 2006/15/EC.

Please check any national occupational exposure limit values in your country.

#### DNEL and PNEC for Dibenzoylperoxid [CAS 94-36-0]

DNEL	oral	inhalation	dermal
Workers, long-term , systemic effects	-	11,75 mg/m <sup>3</sup>	6,6 mg/m <sup>3</sup>
Consumers, long-term , systemic effects	1,65 mg/m <sup>3</sup>	2,9 mg/m <sup>3</sup>	3,3 mg/m <sup>3</sup>

Bemerkung	PNEC
PNEC freshwater	0,000602 mg/l
PNEC seawater	0,000602 mg/l
PNEC sediment	0,338 mg/kg
PNEC soil	6,67 mg/kg

#### DNEL and PNEC for Dicyclohexylphthalat [CAS 84-61-7]

DNEL	oral	inhalation	dermal
Workers, long-term , systemic effects	-	35,2 mg/m <sup>3</sup>	0,5 mg/m <sup>3</sup>
Consumers, long-term , systemic effects	0,25 mg/m <sup>3</sup>	0,87 mg/m <sup>3</sup>	0,25 mg/m <sup>3</sup>

# SAFETY DATA SHEET

**PLASTI CHEMIE**

[in accordance with the regulation no 1907/2006 (REACH) and 453/2010]

**Produktionsgesellschaft mbH**

Revision: 30.10.2018

Version: 2/EN

Bemerkung	PNEC
PNEC freshwater	0,00362 mg/l
PNEC seawater	0,000362 mg/l
PNEC sediment	0,106 mg/kg Trockengewicht
PNEC soil	0,21 mg/kg Trockengewicht

## 8.2. Exposure controls

Use the product in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke when using the product. Before break and after work wash hands carefully. Keep away from foodstuffs, beverages and food. Take off contaminated clothing immediately. Avoid contact with skin and eyes. Protective clothing should be stored separately.

### Hand protection

Only use chemical-protective gloves with CE-labelling of category III: Nitrile rubber, Butyl rubber.

Recommended thickness of the material:  $\geq 0,5$  mm



The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

[www.gisbau.de/service/epoxi/expotab.html](http://www.gisbau.de/service/epoxi/expotab.html).

### Eyes protection

Use tightly fitting protective glasses.



### Respiratory protection

Recommended filter device for short term use: Filter P2.



### body protection

Protective clothing necessary.

Applied personal protective equipment must comply with the requirements of the Directive 89/686/EC. The employer is obliged to provide protective equipment relevant to performed activities and in accordance with all quality requirements, including its maintenance and cleaning.

### Environmental exposure controls

Do not allow large quantities of the product to contaminate ground water, canalization, sewages or soil.

# SAFETY DATA SHEET

**PLASTI CHEMIE**

[in accordance with the regulation no 1907/2006 (REACH) and 453/2010]

**Produktionsgesellschaft mbH**

Revision: 30.10.2018

Version: 2/EN

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

physical state:	solid, powder
colour:	white-gray
odour:	characteristic
odour threshold:	not determined
pH:	not determined
melting point/freezing point:	not determined (Decomposes)
initial boiling point and boiling range:	not determined
flash point:	not determined
ignition temperature:	not determined
evaporation rate:	not applicable
flammability (solid, gas):	not applicable
upper/lower flammability or explosive limits:	not applicable
vapour pressure (20°C):	not applicable
vapour density:	not determined
Bulk density (20°C):	1,66 g/cm <sup>3</sup>
solubility(ies) (water):	Insoluble
solubility(ies): (organic solvents)	not determined
partition coefficient: n-octanol/water:	not determined
auto-ignition temperature:	not applicable
decomposition temperature:	not determined
explosive properties:	Product is not explosive
oxidising properties:	not determined
viscosity:	
dynamic (23°C)	not applicable

### 9.2 Other information

Peroxid content	< 1 %
-----------------	-------

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Do not allow to dry out, dry out may trigger explosion.

### 10.2 Chemical stability

The product is stable under normal conditions of use and storage.

### 10.3 Possibility of hazardous reactions

Violent reactions with with Monomers like Methyl Methacrylate.

### 10.4 Conditions to avoid

Avoid heat sources and direct exposure to sunlight.

### 10.5 Incompatible materials

Avoid contact with rust, iron and copper. Contact with incompatible materials such as acids, alkalies, heavy metals and reducing agent will result in hazardous decomposition. Do not mix with peroxide accelerators. Contact the supplier for more information.

### 10.6 Hazardous decomposition products

in the event of fire: toxic gases and vapours, inflammable gases/vapours

# SAFETY DATA SHEET

**PLASTI CHEMIE**

[in accordance with the regulation no 1907/2006 (REACH) and 453/2010]

**Produktionsgesellschaft mbH**

Revision: 30.10.2018

Version: 2/EN

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity:

<b>Dibenzoylperoxid</b>			
Oral	LD <sub>50</sub>	> 5000 mg/kg	rat
Inhalativ	LC <sub>50</sub>	> 24300 mg/kg	rat
<b>Dicyclohexylphthalat</b>			
Oral	LD <sub>50</sub>	> 2000 mg/kg	rat
Dermal	LD <sub>50</sub>	> 2000 mg/kg	rat

Toxicity of the product:

Acute toxicity

ATEmix (oral) > 2000 mg/kg

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

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

Cause eye irritation

STOT-repeated exposure

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

Aspirationdanger

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

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Acquatic toxicity:

<b>Dibenzoylperoxid</b>			
Algae toxicity	EC <sub>50</sub>	0,06 mg/l/96h	
Daphnia toxicity	EC <sub>50</sub>	0,11 mg/l/48h	
Fish toxicity	LC <sub>50</sub>	> 0,06 mg/l/96h	
<b>Dicyclohexylphthalat</b>			
Algae toxicity	EC <sub>50</sub>	2 mg/l/96h	
Daphnia toxicity	EC <sub>50</sub>	2 mg/l/48h	
Fish toxicity	LC <sub>50</sub>	2 mg/l/96h	

# SAFETY DATA SHEET

**PLASTI CHEMIE**

[in accordance with the regulation no 1907/2006 (REACH) and 453/2010]

**Produktionsgesellschaft mbH**

Revision: 30.10.2018

Version: 2/EN

## 12.2 Persistence and degradability

Main content Dibenzoylperoxid is biodegradabel

## 12.3 Bioaccumulative potential

Dibenzoylperoxid: BCF 66,6

## 12.4 Mobility in soil

No further relevant information available.

## 12.5 Results of PBT and vPvB assessment

Not applicable.

## 12.6 Other adverse effects

No further relevant information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Disposal methods for the product: disposal in accordance with the local legislation Store residues in original containers.  
European waste catalogue:

08 00 00	Wastes FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 02 00	wastes from MFSU of other coatings (including ceramic materials)
08 02 99	wastes not otherwise specified

Disposal methods for used packing: reuse/recycle/liquidate empty containers in accordance with the legislation in force.  
Only containers completely empty can be recycled.

Legal basis: Directive 2008/98/EC, 94/62/EC.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

ADR, IMDG, IATA entfällt

### 14.2 UN proper shipping name

ADR

IMDG, IATA

### 14.3 Transport hazard class(es)

ADR

IMDG, IATA

### 14.4 Packing group

### 14.5 Environmental hazards

Marine pollutant:

### 14.6 Special precautions for user

EMS-Number:



# SAFETY DATA SHEET

**PLASTI CHEMIE**

[in accordance with the regulation no 1907/2006 (REACH) and 453/2010]

**Produktionsgesellschaft mbH**

Revision: 30.10.2018

Version: 2/EN

## SECTION 15: REGULATORY INFORMATION

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

**Regulation (EC) No 1907/2006** of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

**Regulation (EC) No 1272/2008** of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.

**Council Directive 67/548/EEC** of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances.

**Directive 1999/45/EC** of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

**Commission Regulation (EC) No 790/2009** of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

**Commission Regulation (EU) No 453/2010** of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

**Directive 2008/98/EC** of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

**European Parliament and Council Directive 94/62/EC** of 20 December 1994 on packaging and packaging waste.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for mixtures.

## ABSCHNITT 16: Other information

*These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

### Clarification of aberrations and acronyms

PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV	Ordinance on Hazardous Substances, Germany
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent

### Other data

Classification was based on data on hazardous substances calculation method under the guidance of Regulation 1272/2008/EC (CLP).

Composed by: René Schemmerling

Date of issue: 01.06.2015