

Resto[®] SPACHELMASSEN

Farbige Spachtelmassen für die Holzverarbeitung

Carl-Schurz-Str.155. D-50374 Erftstadt
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Resto Spachtelmassen - Carl Schurz Str.155. 50374 Erftstadt

Safety Data Sheet Resto hardener for polyester paste

Safety Data Sheet dated 14/07/2016, version 3

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

1.1. Product identifier

Mixture identification:

Trade name: Hardener-Benzoul-Peroxyd

Trade code: 4000

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

Recommended use:

Activator for polyester mastic and filler

1.3. Details of the supplier of the safety data sheet

Supplier:

Resto Spachtelmassen - Tel. +49(0) 2235-45326 - Fax +49(0)2235- 61542 (8.30 – 17.30)

Competent person responsible for the safety data sheet:

Ioannis Sotiropoulos,restokitt@aol.com

1.4. Emergency telephone number

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Directive criteria, 67/548/EEC, 1999/45/EC and following amendments thereof:

Properties / Symbols:

O Oxidizing

Xi Irritant

N Dangerous for the environment

R Phrases:

R36 Irritating to eyes.

R43 May cause sensitization by skin contact.

R50 Very toxic to aquatic organisms.

R7 May cause fire.

EC regulation criteria 1272/2008 (CLP):

Warning, Org. Perox. E, Heating may cause a fire.

Warning, Eye Irrit. 2, Causes serious eye irritation.

Warning, Skin Sens. 1, May cause an allergic skin reaction.

Warning, Aquatic Acute 1, Very toxic to aquatic life.

2.2. Label elements

Symbols:



Warning

Hazard statements:

H242 Heating may cause a fire.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

>= 50% - < 65% dibenzoyl peroxide; benzoyl peroxide

REACH No.: 01-2119511472-50, Index number: 617-008-00-0, CAS: 94-36-0, EC: 202-327-6

E,O,Xi,N; R50-3-36-43-7

2.15/B Org. Perox. B H241

4.1/A1 Aquatic Acute 1 H400

3.3/2 Eye Irrit. 2 H319

3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317

>= 1% - < 3% oxydipropyl dibenzoate

CAS: 27138-31-4, EC: 248-258-5

N; R51/53

4.1/C2 Aquatic Chronic 2 H411

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Ventilate the premises. The patient is to be removed immediately from the premises contaminated and made to rest in a well ventilated area. Should the patient feel unwell, consult a physician.

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

None known

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

CO₂, powder extinguisher, foam, water spray.

Extinguishing media which must not be used for safety reasons:

Water jet.

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5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.

Do not inhale explosion and/or combustion gases (carbon monoxide, carbon dioxide, benzoic acid, benzene, diphenyl, phenyl benzoate).

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Suitable material for collection: inert absorbent material (e.g. sand, vermiculite)

After the product has been recovered, rinse the area and materials involved.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Electrical equipment must be protected in compliance with appropriate norms.

Do not allow to dry.

Avoid shock and friction.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Always keep the containers tightly closed.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

See chapter 10.5

Instructions as regards storage premises:

Keep container tightly closed in a cool, well-ventilated place, away from heat.

7.3. Specific end use(s)

See chapter 1.2

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

dibenzoyl peroxide; benzoyl peroxide - CAS: 94-36-0

ACGIH - LTE: 5 mg/m³

WEL -- Country: UNITED KINGDOM - LTE: 5 mg/m³

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Skin protection:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Hands protection:

Use protective gloves that provides comprehensive protection, e.g. NBR (nitrile rubber), FKM (fluoro rubber).

The selection of suitable gloves does not only depend on the material, but also on other quality characteristics and varies from manufacturer to another one, and on the manner and times of use of the mixture.

Respiratory protection:

Combination filtering device (DIN EN 141).

Environmental exposure controls:

See chapter 6.2

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour: creamy paste

Odour: typical

Odour threshold: nd

pH: nd

Melting point / freezing point: nd

Initial boiling point and boiling range: 195°C

Solid/gas flammability: may cause fire

Upper/lower flammability or explosive limits: nd

Vapour density: na

Flash point: na

Evaporation rate: na

Vapour pressure: nd

Relative density: 1.19 ± 0.01

Solubility in water: not soluble

Solubility in oil: nd

Partition coefficient (n-octanol/water): nd

Auto-ignition temperature: nd

Decomposition temperature: SADT 50°C

Viscosity: na

Explosive properties: none

Oxidizing properties: yes

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9.2. Other information

Miscibility: nd

Conductivity: nd

Legend:

na = not applicable - nd = not available

SECTION 10: Stability and reactivity

10.1. Reactivity

It may generate dangerous reactions (See subsections below)

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

SADT - (Self accelerating decomposition temperature) is the lowest temperature at which self accelerating decomposition may occur with a substance in the packaging as used in transport. A dangerous self-accelerating decomposition reaction and, under certain circumstances, explosion or fire can be caused by thermal decomposition at and above the following temperature: 50°C.

Contact with incompatible substances can cause decomposition at or below the SADT.

10.4. Conditions to avoid

Avoid to keep near heat sources.

Avoid contact with rust, iron and copper.

10.5. Incompatible materials

Reducing agents (e.g. amines), acids, alkalies and heavy metal-based compounds (e.g. accelerators, driers, metal soaps).

10.6. Hazardous decomposition products

No hazardous decomposition products when stored and handled correctly.

See chapter 5.2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture:

N.A.

Toxicological information of the main substances found in the mixture:

N.A.

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

Adopt sound working practices, so that the product is not released into the environment.

12.1. Toxicity

Very toxic to aquatic organisms.

dibenzoyl peroxide; benzoyl peroxide - CAS: 94-36-0

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a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia 0.11 mg/l - Duration h: 48

Endpoint: IC50 - Species: Algae 0.0711 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish 0.0602 mg/l - Duration h: 96

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

If packing is less than 500 grams, products will be declassified and may be packed and sent together with the other component.

14.1. UN number

ADR-UN number: 3108

IATA-Un number: 3108

IMDG-Un number: 3108

14.2. UN proper shipping name

ADR-Shipping Name: ORGANIC PEROXIDE TYPE E, SOLID

IATA-Technical name: ORGANIC PEROXIDE TYPE E, SOLID

IMDG-Technical name: ORGANIC PEROXIDE TYPE E, SOLID

14.3. Transport hazard class(es)

ADR-Class: 5.2

ADR-Label: 5.2

IATA-Class: 5.2

IATA-Label: 5.2

IMDG-Class: 5.2

14.4. Packing group

N.A.

14.5. Environmental hazards

Marine pollutant: Marine Pollutant

Most important toxic component: dibenzoyl peroxide

14.6. Special precautions for user

ADR-Tunnel Restriction Code: D

IMDG-EMS: F-J, S-R

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N.A.

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SECTION 15: Regulatory information

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

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)

Dir. 1999/45/EC (Classification, packaging and labelling of dangerous preparations)

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Dir. 2006/8/EC

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 453/2010 (Annex I)

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Volatile Organic compounds - VOCs = 0.00 %

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Where applicable, refer to the following Italian regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

15.2. Chemical safety assessment

No

SECTION 16: Other information

Text of phrases referred to under heading 3:

R3 Extreme risk of explosion by shock, friction, fire or other sources of ignition.

R36 Irritating to eyes.

R43 May cause sensitization by skin contact.

R50 Very toxic to aquatic organisms.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R7 May cause fire.

H241 Heating may cause a fire or explosion.

H400 Very toxic to aquatic life.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

This safety data sheet has been completely updated in compliance to Regulation 453/2010/EU.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,

Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van

Nostrand Reinold

CCNL - Appendix 1 "TLV for 1989-90"

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Safety data sheets of raw materials suppliers.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

WGK: German Water Hazard Class.

N.A. Not Applicable / Not Available

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