

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2020/878

Article No.: 928
Print date: 27.12.2022
Version: 3.0

Härter zu BLENDAROAD
Revision date: 10.12.2022
Issue date: 10.12.2022

EN
Page 1 / 8

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

1.1. Product identifier

Article No. (manufacturer/supplier) 928
Trade name/designation Härter zu BLENDAROAD
rot

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)
Vismara Unternehmungen CH-5000 Aarau www.farbladen.ch

Department responsible for information:

laboratory Manager
E-mail (competent person) info@knuchel.ch

1.4. Emergency telephone number

Emergency telephone number 145 (+41 (0)44 251 51 51)

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].

Org. Perox. E / H242	Organic peroxides	Heating may cause a fire.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Repr. 1B / H360	Reproductive toxicity	May damage the unborn child.
Aquatic Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic organisms.
Aquatic Chronic 3 / H412	Hazardous to the aquatic environment	Harmful 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

H242 Heating may cause a fire.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H360 May damage the unborn child.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P234 Keep only in original packaging.
P235 Keep cool.
P240 Ground and bond container and receiving equipment.
P261 Avoid breathing vapours.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
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.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2020/878

Article No.: 928
Print date: 27.12.2022
Version: 3.0

Härter zu BLENDAROAD
Revision date: 10.12.2022
Issue date: 10.12.2022

EN
Page 2 / 8

easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use extinguishing powder or sand to extinguish.
P391 Collect spillage.
P403 Store in a well-ventilated place.
P405 Keep locked up.
P410 Protect from sunlight.
P411 Store at temperatures not exceeding .? °C/.? °F.
P420 Store separately.
P501 Dispose of contents/container to industrial incineration plant.

Hazard components for labelling

dibenzoyl peroxide
dicyclohexyl phthalate

Supplemental hazard information

not applicable

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description Solvent-free formulation, containing the following hazardous substances:

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

EC No. CAS No. Index No.	REACH No. Designation classification: // Remark	weight-%
202-327-6 94-36-0 617-008-00-0	01-2119511472-50 dibenzoyl peroxide Eye Irrit. 2 H319 / Skin Sens. 1 H317 / Aquatic Acute 1 H400 / Org. Perox. E H242	40 - 60
201-545-9 84-61-7 607-719-00-4	01-2119978223-34 dicyclohexyl phthalate Skin Sens. 1 H317 / Repr. 1B H360 / Aquatic Chronic 3 H412	40 - 60

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.

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.

Following 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

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2020/878

Article No.: 928
Print date: 27.12.2022
Version: 3.0

Härter zu BLEND-ROAD
Revision date: 10.12.2022
Issue date: 10.12.2022

EN
Page 3 / 8

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

alcohol resistant foam, carbon dioxide, spray mist, (water)

Unsuitable extinguishing media

inert gas under high pressure (e.g. carbon dioxide), strong water jet

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. Strictly avoid inhalation of dusts.

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

Remove leaked material dry using explosion-proof vacuum cleaner or moistened with a broom and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

Persons suffering from respiration problems or allergic reactions should not be exposed to coating powders!

7.1. Precautions for safe handling

Advices on safe handling

If the formation of dust is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Lighting and other electric equipment must be explosion protected in order to avoid hot surfaces, sparks and other ignition sources. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Keep away from heat sources, sparks and open flames. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

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). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2020/878

Article No.: 928
Print date: 27.12.2022
Version: 3.0

Härter zu BLEND-ROAD
Revision date: 10.12.2022
Issue date: 10.12.2022

EN
Page 4 / 8

dibenzoyl peroxide
Index No. 617-008-00-0 / EC No. 202-327-6 / CAS No. 94-36-0
WEL, TWA: 5 mg/m³

dicyclohexyl phthalate
Index No. 607-719-00-4 / EC No. 201-545-9 / CAS No. 84-61-7
WEL, TWA: 5 mg/m³

Additional information

TWA : Long-term occupational exposure limit value
STEL : short-term occupational exposure limit value
Ceiling : peak limitation

8.2. Exposure controls

Do not breathe dust. This can be achieved with local or room suction. If the formation of dust is beyond the occupational exposure limit values, approved and 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 used. 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: NBR (Nitrile rubber)
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 safety goggles to protect your eyes from dust.

Body protection

Care should be taken in the selection of protective clothing to ensure that inflammation and irritation of the skin at neck and wrists through contact with the product are avoided.

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

Physical state:	solid
Colour:	refer to label
Odour:	characteristic
Odour threshold:	not applicable
Melting point/freezing point:	65 °C Source: dicyclohexyl phthalate
Initial boiling point and boiling range:	not applicable
Flammability	Heating may cause a fire.
Lower and upper explosion limit	
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Flash point:	not applicable
Minimum ignition temperature of a dust cloud:	not applicable
Decomposition temperature:	55 °C
pH at 20 °C:	not applicable
Viscosity at 20 °C:	solid

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2020/878

Article No.: 928
Print date: 27.12.2022
Version: 3.0

Härter zu BLEND-ROAD
Revision date: 10.12.2022
Issue date: 10.12.2022

EN
Page 5 / 8

Solubility(ies):
Water solubility at 20 °C: insoluble
Partition coefficient: n-octanol/water: see section 12
Vapour pressure at 20 °C: not applicable
Density and/or relative density:
Density at 20 °C: 1.36 g/cm³
Relative vapour density: not applicable
particle characteristics: Powder

9.2. Other information

Solid content: 100 weight-%
solvent content:
Organic solvents: 0 weight-%
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

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, nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

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

Skin corrosion/irritation; Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

May damage the unborn child.

STOT-single exposure; STOT-repeated exposure

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

Aspiration hazard

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

Practical experience/human evidence

Coating powders may cause local skin irritations, particularly in skin folds or when wearing tight-fitting clothes.

Overall assessment on CMR properties

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

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2020/878

Article No.: 928
Print date: 27.12.2022
Version: 3.0

Härter zu BLEND-ROAD
Revision date: 10.12.2022
Issue date: 10.12.2022

EN
Page 6 / 8

201-545-9 dicyclohexyl phthalate
84-61-7

Repr. 1B

11.2. Information on other hazards

Endocrine disrupting properties

No information available.

SECTION 12: Ecological information

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

Coating powders should not be allowed to enter drains or waterways or to be disposed of, because they can influence ground or surface water.

12.1. Toxicity

Very toxic to aquatic organisms.

Long-term Ecotoxicity

Harmful to aquatic life with long lasting effects.

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. Endocrine disrupting properties

No information available.

12.7. 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 or ID number

UN 3108

14.2. UN proper shipping name

Land transport (ADR/RID):

Organic peroxide type E, solid
(Dibenzoyl peroxide)

Sea transport (IMDG):

ORGANIC PEROXIDE TYPE E, SOLID
(Dibenzoyl peroxide)

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

Organic peroxide type E, solid
(Dibenzoyl peroxide)

14.3. Transport hazard class(es)

5.2

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2020/878

Article No.: 928
Print date: 27.12.2022
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Härter zu BLENDAROAD
Revision date: 10.12.2022
Issue date: 10.12.2022

EN
Page 7 / 8

14.4. Packing group

not applicable

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

D

Sea transport (IMDG)

EmS-No.

F-J, S-R

in packages <= 5 kg

not restricted 2.10.2.7

14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according IBC - Code.

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 [Industrial Emissions Directive]

VOC-value (in g/L): 0

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable.

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

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.
202-327-6 94-36-0	dibenzoyl peroxide	01-2119511472-50
201-545-9 84-61-7	dicyclohexyl phthalate	01-2119978223-34

SECTION 16: Other information

Full text of classification in section 3:

Eye Irrit. 2 / H319

Serious eye damage/eye irritation

Causes serious eye irritation.

Skin Sens. 1 / H317

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Aquatic Acute 1 / H400

Hazardous to the aquatic environment

Very toxic to aquatic organisms.

Org. Perox. E / H242

Organic peroxides

Heating may cause a fire.

Repr. 1B / H360

Reproductive toxicity

May damage the unborn child.

Aquatic Chronic 3 / H412

Hazardous to the aquatic environment

Harmful to aquatic life with long lasting effects.

Classification procedure

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

Org. Perox. E

Organic peroxides

On basis of test data.

Eye Irrit. 2

Serious eye damage/eye irritation

Calculation method.

Skin Sens. 1

Respiratory or skin sensitisation

Calculation method.

Repr. 1B

Reproductive toxicity

Calculation method.

Aquatic Acute 1

Hazardous to the aquatic environment

Calculation method.

Aquatic Chronic 3

Hazardous to the aquatic environment

Calculation method.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2020/878

Article No.: 928
Print date: 27.12.2022
Version: 3.0

Härter zu BLEND-ROAD
Revision date: 10.12.2022
Issue date: 10.12.2022

EN
Page 8 / 8

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.