

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) No. 453/2010



Capalac mix GrundierWeiss Basis Weiß

Version 2.0

Revision Date 19.11.2014

Print Date 03.12.2014

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

1.1 Product identifier

Trade name : Capalac mix GrundierWeiss Basis Weiß

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

Use of the Substance/Mixture : Protective coating

Recommended restrictions on use : within adequate application - none

1.3 Details of the supplier of the safety data sheet

Company : Caparol Farben Lacke Bautenschutz GmbH
Roßdörfer Straße 50
64372 Ober-Ramstadt
Telephone : +496154710
Telefax : +49615471222
E-mail address : msds@dr-rmi.com
Responsible/issuing person

1.4 Emergency telephone number

Emergency telephone number/ E-mail address : 0049(0)6154/71-202 sds@daw.de

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 H226: Flammable liquid and vapour.

Classification (67/548/EEC, 1999/45/EC)

Flammable R10: Flammable.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

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Hazard statements	: H226	Flammable liquid and vapour.
Supplemental Hazard Statements	: EUH066	Repeated exposure may cause skin dryness or cracking.
Precautionary statements	: P102 Prevention: P210 P260 P262 P271 P273 Response: P301 + P330 + P331	Keep out of reach of children. Keep away from open flames/hot surfaces. - No smoking. Do not breathe vapours/ spray. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area. Avoid release to the environment. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Additional Labelling:

EUH208 Contains: butanone oxime **May produce an allergic reaction.**

Labelling according to EC Directives: 1999/45/EC

R-phrases(s)	: R10 R66	Flammable. Repeated exposure may cause skin dryness or cracking.
S-phrases(s)	: S 2 S 7/9 S16 S23 S24/25 S29 S38 S51 S62	Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Keep away from sources of ignition - No smoking. Do not breathe vapours, aerosols. Avoid contact with skin and eyes. Do not empty into drains. In case of insufficient ventilation, wear suitable respiratory equipment. Use only in well-ventilated areas. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Sensitising components	: Contains: butanone oxime May produce an allergic reaction.	

2.3 Other hazards

In use, may form flammable/explosive vapour-air mixture.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Naphtha (petroleum), hydrotreated heavy	64742-48-9 265-150-3 01-2119463258-33	Xn; R65 R66	Asp. Tox.1; H304	>= 10 - < 20
Naphtha (petroleum), hydrotreated heavy	64742-48-9 265-150-3 01-2119463258-33	R10 R66 Xn; R65	Flam. Liq.3; H226 Asp. Tox.1; H304	< 10
butanone oxime	96-29-7 202-496-6 01-2119539477- 28-xxxx	Carc.Cat.3; R40 Xn; R21 Xi; R41 R43	Acute Tox.4; H312 Eye Dam.1; H318 Skin Sens.1; H317 Carc.2; H351	>= 0,1 - < 1

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Call a physician if symptoms occur.
When symptoms persist or in all cases of doubt seek medical advice.
Show this safety data sheet to the doctor in attendance.
- If inhaled : If breathed in, move person into fresh air.
If breathing is irregular or stopped, administer artificial respiration.
If unconscious place in recovery position and seek medical advice.
- In case of skin contact : Take off all contaminated clothing immediately.
Wash skin thoroughly with soap and water or use recognized skin cleanser.
Do NOT use solvents or thinners.
- In case of eye contact : Remove contact lenses.
Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- If swallowed : If swallowed, DO NOT induce vomiting.
If accidentally swallowed obtain immediate medical attention.
Clean mouth with water and drink afterwards plenty of water.

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Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide., Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Exposure to decomposition products may be a hazard to health. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : In the event of fire and/or explosion do not breathe fumes. Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Remove all sources of ignition.
Ensure adequate ventilation.
Refer to protective measures listed in sections 7 and 8.
Treat recovered material as described in the section "Disposal considerations".

6.2 Environmental precautions

Environmental precautions : Do not let product enter drains.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Suitable cleaning agents

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Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For further information see Section 8 & 13 of the safety data sheet.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section 8).
Avoid inhalation, ingestion and contact with skin and eyes.
Keep away from heat and flame.
Keep away from fire (No Smoking).
Keep away from flames and sparks.
- Advice on protection against fire and explosion : Vapours are heavier than air and may spread along floors.
Vapours may form explosive mixtures with air. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Take measures to prevent the build up of electrostatic charge.
- Hygiene measures : Avoid contact with the skin and the eyes. Ensure adequate ventilation, especially in confined areas. Wash hands before eating, drinking, or smoking.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Observe label precautions.
- Storage class (TRGS 510) : 10, Combustible liquids

7.3 Specific end use(s)

- Specific use(s) : Please follow the technical information of the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Naphtha	64742-48-9	AGW	200 ml/m3	DE TRGS 900

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(petroleum), hydrotreated heavy				
Naphtha (petroleum), hydrotreated heavy	64742-48-9	AGW	1.500 mg/m ³	DE TRGS 900
Further information	Group exposure limit for hydrocarbon solvent mixtures, Commission for dangerous substances, See also No. 2.9 of the TRGS 900			
Naphtha (petroleum), hydrotreated heavy	64742-48-9	AGW	600 mg/m ³	DE TRGS 900
Further information	Group exposure limit for hydrocarbon solvent mixtures, Commission for dangerous substances, See also No. 2.9 of the TRGS 900			
Naphtha (petroleum), hydrotreated heavy	64742-48-9	AGW	200 ml/m ³	DE TRGS 900
Naphtha (petroleum), hydrotreated heavy	64742-48-9	AGW	1.500 mg/m ³	DE TRGS 900
Further information	Group exposure limit for hydrocarbon solvent mixtures, Commission for dangerous substances, See also No. 2.9 of the TRGS 900			
Naphtha (petroleum), hydrotreated heavy	64742-48-9	AGW	600 mg/m ³	DE TRGS 900
Further information	Group exposure limit for hydrocarbon solvent mixtures, Commission for dangerous substances, See also No. 2.9 of the TRGS 900			

8.2 Exposure controls

Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal protective equipment

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
German trade association rules - BGR 192 Eye protection

Hand protection

Material : Nitrile rubber
Break through time : 240 min
Glove thickness : 0,2 mm

Remarks : Before removing gloves clean them with soap and water.
Wear suitable gloves tested to EN374.

Skin and body protection : impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
No personal respiratory protective equipment normally

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required.
German trade association rules - BGR 190 Breathing protection

Protective measures : Follow the skin protection plan.

Environmental exposure controls

General advice : Do not let product enter drains.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : No data available

Odour : No information available.

Odour Threshold : Not applicable

pH : No data available

Melting point/range : not determined

Boiling point/boiling range : not determined

Flash point : 51 °C

Evaporation rate : Not applicable

Flammability (solid, gas) : not determined

Upper explosion limit : Not applicable

Lower explosion limit : Not applicable

Vapour pressure : not determined

Relative vapour density : Not applicable

Relative density : Not applicable

Density : 1,4900 g/cm³

Solubility(ies)

Water solubility : insoluble

Partition coefficient: n-octanol/water : not determined

Thermal decomposition : No data available

Viscosity

Viscosity, kinematic : > 21 mm²/s (40 °C)

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Method: ISO 3104/3105

Flow time : 91,0 s
Cross section: 4 mm
Method: DIN 53211

Explosive properties : Not applicable

Oxidizing properties : No data available

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Hazardous decomposition products formed under fire conditions.
Vapours may form explosive mixture with air.
No decomposition if stored normally.

10.4 Conditions to avoid

Conditions to avoid : Protect from frost, heat and sunlight.

10.5 Incompatible materials

Materials to avoid : Incompatible with oxidizing agents.
Incompatible with acids and bases.

10.6 Hazardous decomposition products

Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:
Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute toxicity (other routes of : :

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administration)

Remarks: No data is available on the product itself.

Components:

butanone oxime:

Acute dermal toxicity

: Acute toxicity estimate : 1.100 mg/kg

Method: Converted acute toxicity point estimate

Skin corrosion/irritation

Product:

Remarks: May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation

Product:

Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin sensitisation

Product:

Remarks: No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information

Product:

Remarks: No data is available on the product itself., Concentrations above the admissible concentration at the workplace may cause nausea and vomiting., Concentration above the admissible concentration at the workplace may cause dizziness, headache and inebriation., Concentration substantially above the admissible concentration at the workplace can damage the central nervous system and may cause collapse., Concentrations substantially above the

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admissible concentration at the workplace may cause unconsciousness., Concentrations substantially above the admissible concentration at the workplace may cause damage of liver and kidney and changes in the blood picture.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: No data is available on the product itself.

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data is available on the product itself.

Further information

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 70,0488 %

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No data available

No data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : Remarks: not determined

12.4 Mobility in soil

Product:

Mobility : Remarks: No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : No data available

12.6 Other adverse effects

Product:

Additional ecological information : There is no data available for this product.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Product : Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities.
In Germany: Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried/hardened product residues as construction site/demolition/municipal or domestic waste.
- Contaminated packaging : Only completely emptied containers should be given for recycling.

SECTION 14: Transport information

14.1 UN number

- IMDG : 1263
IATA : 1263

14.2 Proper shipping name

- IMDG : PAINT
(Naphtha (petroleum), hydrotreated heavy, 1-methoxypropan-2-ol)
- IATA : Paint
(Naphtha (petroleum), hydrotreated heavy, 1-methoxypropan-2-ol)

14.3 Transport hazard class

- IMDG : 3
IATA : 3

14.4 Packing group

- IMDG
Packing group : III
Labels : 3
EmS Code : F-E, S-E
- IATA
Packing instruction (cargo aircraft) : 366
Packing instruction (passenger aircraft) : 355
Packing instruction (LQ) : Y344
Packing group : III
Labels : 3

14.5 Environmental hazards

- IMDG
Marine pollutant : yes

14.6 Special precautions for user

- Remarks : This information is not available.

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see sections 6-8

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks : not applicable

SECTION 15: Regulatory information

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

Water contaminating class : 1 slightly water endangering
(Germany) Remarks: VWVWS A4

Product code for laquers and : M-GP02 Product code for laquers and paints: M-GP02
paints / Giscode (Germany)

Volatile organic compounds : Directive 2004/42/EC
< 23 %
< 350 g/l

Other regulations : Take note of Dir 94/33/EC on the protection of young people
at work.
Take note of Dir 92/85/EEC on the safety and health at work
of pregnant workers.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of R-Phrases

R10 Flammable.
R21 Harmful in contact with skin.
R40 Limited evidence of a carcinogenic effect.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

Full text of H-Statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H351 Suspected of causing cancer.

Full text of other abbreviations

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Acute Tox.	Acute toxicity
Asp. Tox.	Aspiration hazard
Carc.	Carcinogenicity
Eye Dam.	Serious eye damage
Flam. Liq.	Flammable liquids
Skin Sens.	Skin sensitisation

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

REACH and GHS/CLP Information

According to our legal obligations we will implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and GHS respectively the Regulation (EC) No 1272/2008. REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly. This will be put into practice depending on the register-deadline of the substances involved during the transition period from December 1, 2010 till May 31, 2018.

The amendment of safety data sheets of mixtures or preparations in accordance with GHS /CLP regulation will be carried out during a transitional period until June 1, 2015. We will conduct the adjustment of our safety data sheets during the time frame of the transitional period as soon as new information is available from our suppliers.