

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 07.09.2010

Revision: 07.09.2010

1 Identification of substance:

- **Product details:**
- **Trade name:** Haftgrund weiß
- **Article number:** 203112-1
- **Application of the substance / the preparation** Priming
- **Manufacturer/Supplier:**
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2 Hazards identification

- **Hazard designation:**



Xn Harmful

- **Information pertaining to particular dangers for man and environment**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 10 Flammable.

R 36/38 Irritating to eyes and skin.

R 43 May cause sensitization by skin contact.

R 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 63 Possible risk of harm to the unborn child.

R 67 Vapours may cause drowsiness and dizziness.

Contains epoxy constituents. See information supplied by the manufacturer.

- **Classification system**

The classification was made according to the EC-lists, latest edition, company and literature data have also been used.

- **GHS label elements**

**Danger**

H318 - Causes serious eye damage.

**Warning**

H226 - Flammable liquid and vapour.

**Warning**

H361d - Suspected of damaging the unborn child.

H373 - May cause damage to organs through prolonged or repeated exposure.

**Warning**

H317 - May cause an allergic skin reaction.

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Warning

H315 - Causes skin irritation.

H412 - Harmful to aquatic life with long lasting effects.

Contains epoxy constituents. May produce an allergic reaction.

• **Prevention:**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

• **Response:**

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P310 Immediately call a POISON CENTER or doctor/physician.

• **Storage:**































P405 Store locked up.

• **Disposal:**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

• **Chemical characterization**• **Description:** Mixture of the substances listed below and harmless substances.• **Dangerous components:**

CAS: 123-42-2 EINECS: 204-626-7	4-hydroxy-4-methylpentan-2-one  Xi; R 36 Warning:  3.3/2	30-50%
CAS: 108-88-3 EINECS: 203-625-9	toluene Repr. Cat. 3;  Xn,  Xi,  F; R 11-38-48/20-63-65-67 Danger:  2.6/2;  3.10/1, 3.7/2, 3.9/2 Warning:  3.2/2, 3.8/3	10-20%
CAS: 78-93-3 EINECS: 201-159-0	butanone  Xi,  F; R 11-36-66-67 Danger:  2.6/2 Warning:  3.3/2, 3.8/3	5-10%
CAS: 25068-38-6 NLP: 500-033-5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)  Xi,  N; R 36/38-43-51/53 Warning:  3.2/2, 3.3/2, 3.4.S/1  4.1.C/2	1- 5%
CAS: 71-36-3 EINECS: 200-751-6	butan-1-ol  Xn,  Xi; R 10-22-37/38-41-67 Danger:  3.3/1 Warning:  2.6/3;  3.1.O/4, 3.8/3; 3.2/2	1- 5%
CAS: 80-62-6 EINECS: 201-297-1	methyl methacrylate  Xi,  F; R 11-37/38-43 Danger:  2.6/2 Warning:  3.2/2, 3.4.S/1, 3.8/3	< 1%
CAS: 108-95-2 EINECS: 203-632-7	phenol Muta. Cat. 3;  T,  C; R 23/24/25-34-48/20/21/22-68 Danger:  3.1.O/3, 3.1.D/3, 3.1.I/3;  3.2/1B Warning:  3.5/2, 3.9/2	< 1%

• **Additional information** For the wording of the listed risk phrases refer to section 16.

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4 First aid measures

- **General information**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation**

Supply fresh air and call for doctor for safety reasons.

In case of unconsciousness bring patient into stable side position for transport.

- **After skin contact**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- **After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

- **After swallowing** In case of persistent symptoms consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents** CO₂, sand, extinguishing powder. Do not use water.

- **For safety reasons unsuitable extinguishing agents** Water.

- **Protective equipment:** Put on breathing apparatus.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.

- **Measures for environmental protection:**

Inform respective authorities in case product reaches water or sewage system.

- **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

7 Handling and storage

- **Handling**

- **Information for safe handling:**

Store in cool, dry place in tightly closed containers.

Ensure good ventilation/exhaustion at the workplace.

- **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- **Storage**

- **Requirements to be met by storerooms and containers:** No special requirements.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

123-42-2 4-hydroxy-4-methylpentan-2-one

WEL	Short-term value: 362 mg/m ³ , 75 ppm
	Long-term value: 241 mg/m ³ , 50 ppm

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108-88-3 toluene

WEL Short-term value: 384 mg/m³, 100 ppm
 Long-term value: 191 mg/m³, 50 ppm
 Sk

78-93-3 butanone

WEL Short-term value: 899 mg/m³, 300 ppm
 Long-term value: 600 mg/m³, 200 ppm
 Sk

71-36-3 butan-1-ol

WEL Short-term value: 154 mg/m³, 50 ppm
 Sk

108-95-2 phenol

WEL Long-term value: 2 ppm
 Sk

• **Additional information:** The lists that were valid during the compilation were used as basis.

• **Personal protective equipment**

• **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

• **Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

• **Protection of hands:**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• **Material of gloves**

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.

• **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Eye protection:** Tightly sealed safety glasses.

• **Body protection:** suitable clothing

9 Physical and chemical properties:

• **General Information**

Form: Fluid
Colour: White
Odour: Characteristic

• **Change in condition**

Melting point/Melting range: Not determined

Boiling point/Boiling range: Not determined

• **Flash point:** 30 °C

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· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· Explosion limits:	
Lower:	1.2 Vol %
Upper:	8.1 Vol %
· Vapour pressure at 20 °C:	29 hPa
· Specific gravity at 20 °C:	1.043 g/cm ³
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Viscosity:	
kinematic at 20 °C:	23 s (DIN 53211/4)

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

123-42-2 4-hydroxy-4-methylpentan-2-one

Oral	LD50	4000 mg/kg (Ratte)
Dermal	LD50	13630 mg/kg (rab)

108-88-3 toluene

Oral	LD50	5000 mg/kg (Ratte)
Dermal	LD50	12124 mg/kg (rab)
Inhalative	LC50/4 h	5320 mg/l (mus)

25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

Oral	LD50	11400 mg/kg (Ratte)
Dermal	LD50	> 2000 mg/kg (Kaninchen)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritant effect.
- **Sensitization:** Sensitization possible by skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Harmful
Irritant
- **Sensitisation** May cause sensitization by skin contact.

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12 Ecological information:

- **Ecotoxical effects:**

- **Aquatic toxicity:**

108-88-3 toluene

EC50/48 h 11.5 mg/l (Daphnia magna (Wasserfloh))

LC50/96 h 13 mg/l (Lepomis macrochirus (Blauer Sonnenbarsch))

24 mg/l (reg)

- **Remark:** Harmful to fish

- **Additional ecological information:**

- **General notes:**

Water hazard class 2 (German Regulation) (Self-classification): hazardous for water.

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

Harmful to aquatic organisms

13 Disposal considerations

- **Product:**

- **Recommendation** Must be specially treated under adherence to official regulations.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID-GGVS/E Class:** 3 (F1) Flammable liquids.

- **Kemler Number:** 30

- **UN-Number:** 1263

- **Packaging group:** III

- **Label** 3

- **Designation of goods:** 1263 PAINT

- **Tunnel restriction code** D/E

- **Maritime transport IMDG:**



- **IMDG Class:** 3

- **UN Number:** 1263

- **Label** 3

- **Packaging group:** III

- **EMS Number:** F-E, S-E

- **Marine pollutant:** No

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- **Proper shipping name:** PAINT

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1263
- **Label:** 3
- **Packaging group:** III
- **Proper shipping name:** PAINT

- **UN "Model Regulation":** UN1263, PAINT, 3, III

15 Regulatory information

- **Designation according to EC guidelines:**

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials

- **Code letter and hazard designation of product:**



Xn Harmful

- **Hazard-determining components of labelling:**

toluene

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

- **Risk phrases:**

10 Flammable.

36/38 Irritating to eyes and skin.

43 May cause sensitization by skin contact.

48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

63 Possible risk of harm to the unborn child.

67 Vapours may cause drowsiness and dizziness.

- **Safety phrases:**

16 Keep away from sources of ignition - No smoking.

23 Do not breathe fumes/aerosol.

24/25 Avoid contact with skin and eyes.

43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

- **Special designation of certain preparations:**

Contains epoxy constituents. See information supplied by the manufacturer.

- **National regulations**

Class	Share in %
I	0.2
II	18.0
III	51.5

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· **Water hazard class:**

Water hazard class 2 (German Regulation) (Self-classification): hazardous for water.

16 Other information:

The information contained herein is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

- 10 Flammable.
- 11 Highly flammable.
- 22 Harmful if swallowed.
- 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
- 34 Causes burns.
- 36 Irritating to eyes.
- 36/38 Irritating to eyes and skin.
- 37/38 Irritating to respiratory system and skin.
- 38 Irritating to skin.
- 41 Risk of serious damage to eyes.
- 43 May cause sensitization by skin contact.
- 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- 48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 63 Possible risk of harm to the unborn child.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.
- 68 Possible risk of irreversible effects.

· **Abbreviations and acronyms:**

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
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organization
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent

· *** Data compared to the previous version altered.**

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