

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

- **1.1 Product identifier**
- **Trade name:** HADALAN® FMC 57DD
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Filler for decorative floor coatings
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Heinrich Hahne GmbH & Co. KG  
Heinrich-Hahne-Weg 11  
45711 Datteln Tel.: 02363/5663-0
- **Further information obtainable from:**  
Abteilung: Produktsicherheit  
Tel.: 02363 5663-0  
EMail: info@hahne-bautenschutz.de
- **1.4 Emergency telephone number:**  
Giftinformationszentrum Nord (GIZ Nord) Universität Göttingen,  
Tel.: 0551-19240

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified according to the CLP regulation.

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- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
The use of pigments, binders, resins, additives and fillers leads to no labeling requirement Pursuant to Directive 1999/45 / EC (Dangerous Preparations Directive). Depending on the handling and processing of the product (drying, milling) the formation of dust is possible.
- **Information concerning particular hazards for human and environment:** Not applicable.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**  
HADALAN® FMC 57DD does not meet the criteria for PBT and vPvB substances in Annex XIII of the REACH Regulation 1907/2006 / EC.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:**  
Dry product composed of cured unsaturated polyester resin as a binder, filler, pigments, and additives.

· **Dangerous components:**

CAS: 21645-51-2	aluminium hydroxide	55-75%
EINECS: 244-492-7		

**Trade name: HADALAN® FMC 57DD**

(Contd. of page 1)

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**  
There no special precautions are required, nor are there any special instructions for first responders.
- **After inhalation:**  
It is recommended to bring the person who was exposed to the substance, from the contaminated area to fresh air. Search when symptoms persist medical advice.
- **After skin contact:** No special treatment is necessary. Wash off with water.
- **After eye contact:** Rinse with clean water. If irritation persists, seek medical advice.
- **After swallowing:** No special treatment is necessary. Drinking water.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** There is no specific extinguishing media is needed.
- **5.2 Special hazards arising from the substance or mixture**  
HADALAN® FMC 57DD is classified according to UL 94 V0 in class  
HADALAN® FMC 57DD is not flammable or explosive. Upon exposure to heat greater CO / CO<sub>2</sub> and small amounts of isocyanates may arise.
- **5.3 Advice for firefighters**  
No special fire fighting procedures required. Use an extinguishing agent suitable for the surrounding fire.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Avoid formation of dust. For long-term exposure or very dusty breath a respirator in compliance with national regulations (eg EN 149) is to be used. The wearing of safety glasses and the use of rubber gloves are advantageous.
- **6.2 Environmental precautions:**  
No special requirements.  
HADALAN® FMC 57DD is classified as not hazardous for water.
- **6.3 Methods and material for containment and cleaning up:**  
Avoid dry sweeping. Use water spraying or vacuum cleaning to prevent dust formation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Avoid unnecessary dust. Locations subject to dust must be equipped with appropriate ventilation systems. In case of insufficient dust of the workplace atmosphere, suitable respiratory protection (149 corresp. To EN). There are gloves according to EN 374 is recommended.  
Handle packaged products carefully so that a bursting of the packaging is avoided.
- **7.2 Conditions for safe storage, including any incompatibilities**  
Minimize dust formation. Avoid drift during loading operations and storage. Keep container closed and store packaged products so that packaging is not damaged.  
For paper bags, we recommend storage of a maximum of 2.1 years (because of the stability of the packaging).

(Contd. on page 3)

**Trade name: HADALAN® FMC 57DD**

(Contd. of page 2)

- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Do not store near acids.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)**

No special technical measures or precautions necessary. When mixed with other substances, the information in this MSDS was observed. Additional information can also be found in the Good Practice Guide on Workers Health Protection through Handling and Use of Crystalline Silica and Products included (see Fig. Section 16).

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.  
Avoid formation of dust.  
Use of closed processes and local exhaust ventilation to keep airborne dust concentrations below the permissible exposure limit.  
If dust can not be avoided, to be held by venting the dust level below the exposure limits.  
Application of organizational measures, for example, by Keep away from people from dusty areas.  
Change and wash contaminated clothing.
- **Respiratory protection:**  
Exceeding the permissible exposure limits in the workplace a respirator in accordance with European and national regulations eg EN to carry 149.
- **Protection of hands:**  
People who suffer from dermatitis or have particularly sensitive skin, appropriate protective measures (eg gloves, barrier cream). Wash hands after working. The use of gloves according to EN 374 is advantageous.
- **Material of gloves** Not required.
- **Penetration time of glove material** Not required.
- **Eye protection:** Wear in areas with a risk of eye injury goggles according to EN 166.
- **Limitation and supervision of exposure into the environment**  
Avoid wind. Otherwise, no special measures required.

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Solid, grainy
Colour:	different
- **Odour:** odorless
- **pH-value (100 g/l) at 20 °C:** 6-8
- **Change in condition**

Melting point/Melting range:	>350 °C
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(Contd. on page 4)

**Trade name: HADALAN® FMC 57DD**

(Contd. of page 3)

<b>Boiling point/Boiling range:</b>	Undetermined.
· <b>Flash point:</b>	Not applicable. HADALAN® FMC 57DD jest sklasyfikowany zgodnie z UL 94 V0 w klasie
· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	not explosive
· <b>Explosion limits:</b>	
<b>Oxidising properties</b>	HADALAN® FMC 57DD jest sklasyfikowany zgodnie z UL 94 V0 w klasie
· <b>Density:</b>	ca. 1,4 - 1,5 g/ml
· <b>Solubility in / Miscibility with water at 20 °C:</b>	<10 <sup>2</sup> g/l
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** Inert product. Not reactive.
- **10.2 Chemical stability** Chemically stable.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
no known hazardous decomposition products.  
No release of hazardous decomposition products if used as intended.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitisation:** No sensitising effects known.
- **Other information (about experimental toxicology):**  
On the basis of available data, the classification criteria are not met.
- **Additional toxicological information:** On the basis of available data, the classification criteria are not met.
- **Toxicokinetics, metabolism and distribution**  
On the basis of available data, the classification criteria are not met.
- **Acute effects (acute toxicity, irritation and corrosivity)**  
On the basis of available data, the classification criteria are not met.
- **Repeated dose toxicity** On the basis of available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.

(Contd. on page 5)

**Trade name: HADALAN® FMC 57DD**

(Contd. of page 4)

- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** negligible
- **Additional ecological information:**
- **General notes:**  
No known water hazard.  
This material is classified as hazardous waste according to Commission Decisions 2000/532 / EC and 2001/118 / EC. Removal from wastewater by sedimentation. Quartz is classified as not hazardous within the meaning of paragraph §19g. 5 WHG (code no. 765).
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Remnants of the product should be checked for reusability. Residues must be packed and labeled. The disposal of product residues and packaging should be carried out by specialized companies. according to Commission Decision - - at the disposal hold half of the EC, the appropriate waste code according to the European Waste List (EWL) is 2001/118 / EC <http://eur-lex.europa.eu/de/index.htm> use. Among other things, it is the responsibility of the waste generator's waste industry and uTo assign prozessartspezifische waste code according to the European Waste List (EWL). Within the present state of knowledge, this product is not regarded as hazardous waste, as defined by EU Directive 91/689 / EEC, Official Journal L377 / 1991, to be classified.

- **European waste catalogue**

12 01 05	plastics shavings and turnings
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- **Uncleaned packaging:**
- **Recommendation:**  
Avoid dust formation from residues in packaging. Ensure suitable worker protection.  
Store used packaging in enclosed receptacles.  
Recycling and disposal of packaging materials must erfolgen in accordance with local regulations.  
Packaging material used repeatedly. Recycling and disposal of packaging materials should be performed by a certified disposal company.

### SECTION 14: Transport information

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|--|-----------------|
| · <b>14.1 UN-Number</b>                  |                 |
| · <b>ADR, ADN, IMDG, IATA</b>            | Void            |
| · <b>14.2 UN proper shipping name</b>    |                 |
| · <b>ADR</b>                             | Void            |
| · <b>ADN, IMDG, IATA</b>                 | Void            |
| · <b>14.3 Transport hazard class(es)</b> |                 |
| · <b>ADR, ADN, IMDG, IATA</b>            |                 |
| · <b>Class</b>                           | Void            |
| · <b>14.4 Packing group</b>              |                 |
| · <b>ADR, IMDG, IATA</b>                 | Void            |
| · <b>14.5 Environmental hazards:</b>     | Not applicable. |

(Contd. on page 6)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

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**Trade name: HADALAN® FMC 57DD**

(Contd. of page 5)

· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not classified as dangerous in the meaning of transport regulations.
· <b>UN "Model Regulation":</b>	-

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
HADALAN® FMC 57DD is due to us vorliegender data not dangerous within the meaning of Directives 67/548 / EEC and EC 1272/2008.  
Exempted from REACH registration requirements in accordance with Article 2; Para. (9), Title II and VI.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

*This information 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.*

· **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)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)