

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.07.2020

Version number 1.02

Revision: 13.07.2020

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

- **1.1 Product identifier**
- **Trade name: DURAHIT WP800 (DM)**
- **Article number:** 2581
- **CAS Number:**  
2943-75-1
- **EC number:**  
220-941-2
- **Registration number** 01-2119972313-39-xxxx
- **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** Concrete Protection
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Ha-Be Betonchemie GmbH  
Stuevestrasse 39  
31785 HAMELN, GERMANY
- **Further information obtainable from:** info@ha-be.com
- **1.4 Emergency telephone number:**  
0049 5151 587-0  
Only available during office hours.

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07 GHS09

- **Signal word** Warning
- **Hazard statements**  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements**  
P264 Wash thoroughly after handling.  
P273 Avoid release to the environment.

(Contd. on page 2)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 13.07.2020

Version number 1.02

Revision: 13.07.2020

Trade name: **DURAHIT WP800 (DM)**

(Contd. of page 1)

P280 Wear protective gloves / eye protection / face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P321 Specific treatment (see on this label).  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P391 Collect spillage.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterisation: Substances**
- **CAS No. Description**  
2943-75-1 triethoxyoctylsilane
- **Identification number(s)**
- **EC number:** 220-941-2

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**  
In case of unconsciousness place patient stably in side position for transportation.  
Supply fresh air; consult doctor in case of complaints.  
Take affected persons into fresh air and keep quiet.
- **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. Then consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Call a doctor immediately.
- **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:** CO<sub>2</sub>, powder or water spray. Fight larger fire with alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

—GB—

(Contd. on page 3)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 13.07.2020

Version number 1.02

Revision: 13.07.2020

Trade name: **DURAHIT WP800 (DM)**

(Contd. of page 2)

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.
- **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**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

### 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:** Not required.
- **DNELs**  
End Use: Worker  
Routes of exposure: dermal  
Possible health damage: Long-term systemic effects  
Value: 9,1 mg/kg bodyweight/day  
  
End Use: Worker  
Routes of exposure: dermal  
Possible health damage: Acute systemic effects  
Value: 9,1 mg/kg bodyweight/day  
  
End Use: Worker  
Routes of exposure: dermal  
Possible health damage: Long-term local effects  
Remarks: low hazard  
  
End Use: Worker  
Routes of exposure: dermal  
Possible health damage: Acute - local effects  
Remarks: low hazard  
  
End Use: Worker  
Routes of exposure: inhalation  
Possible health damage: Acute systemic effects  
Value: 16 mg/m<sup>3</sup>

(Contd. on page 4)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 13.07.2020

Version number 1.02

Revision: 13.07.2020

Trade name: **DURAHIT WP800 (DM)**

(Contd. of page 3)

End Use: Worker  
 Routes of exposure: inhalation  
 Possible health damage: Long-term local effects  
 Remarks: No hazard identified.

End Use: Worker  
 Routes of exposure: inhalation  
 Possible health damage: Long-term systemic effects  
 Value: 16 mg/m<sup>3</sup>

End Use: Worker  
 Routes of exposure: inhalation  
 Possible health damage: Acute local effects  
 Remarks: No hazard identified.

### - PNECs

Fresh water: Value = 0,0058 mg/l  
 Marine water: Value = 0,00058 mg/l  
 Fresh water sediment: Value = 0,23 mg/kg dry weight  
 Marine sediment: Value = 2,3 mg/kg dry weight

- **Additional information:** The lists valid during the making were used as basis.

### - 8.2 Exposure controls

#### - Personal protective equipment:

#### - General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Do not inhale gases / fumes / aerosols.  
 Avoid contact with the skin.  
 Avoid contact with the eyes and skin.

#### - Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

#### - Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. 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.

#### - 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: Goggles recommended during refilling

GB

(Contd. on page 5)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.07.2020

Version number 1.02

Revision: 13.07.2020

Trade name: **DURAHIT WP800 (DM)**

(Contd. of page 4)

## SECTION 9: Physical and chemical properties

### - 9.1 Information on basic physical and chemical properties

#### - General Information

#### - Appearance:

Form: Fluid  
 Colour: Colourless

- Odour: Mild

- Odour threshold: Not determined.

- pH-value: Not determined.

#### - Change in condition

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: Undetermined.

- Flash point: 100 °C  
 Not applicable.

- Flammability (solid, gas): Not applicable.

- Decomposition temperature: Not determined.

- Explosive properties: Product does not present an explosion hazard.

#### - Explosion limits:

Lower: 0.5 Vol %

Upper: 13.5 Vol %

- Vapour pressure: Not determined.

- Density at 20 °C: 0.88 g/cm<sup>3</sup>

- Vapour density: Not determined.

- Evaporation rate: Not determined.

- Solubility in / Miscibility with  
 water:

Partly miscible.

- Partition coefficient: n-octanol/water: Not determined.

#### - Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

- 9.2 Other information: No further relevant information available.

## SECTION 10: Stability and reactivity

- 10.1 Reactivity: No further relevant information available.

### - 10.2 Chemical stability

#### - 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: water

#### - 10.6 Hazardous decomposition products:

ethanol by hydrolysis

Possible in traces.

GB

(Contd. on page 6)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 13.07.2020

Version number 1.02

Revision: 13.07.2020

Trade name: **DURAHIT WP800 (DM)**

(Contd. of page 5)

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**
  - Acute oral toxicity: LD50 > 5110 mg/kg (rat) (OECD TG 401)
  - Acute inhalation toxicity: LC0 : 22 ppm / 4h / vapour (rat) (OECD TG 403)
  - Assessment: The substance or mixture has no acute inhalation toxicity
  - Acute dermal toxicity: LD50 > 6730 mg/kg (rabbit) (OECD TG 402)
  - Skin irritation: Rabbit (irritating) (method: OECD Test Guideline 404)
  - Eye irritation: Rabbit (not irritating) (OECD Test Guideline 405)
- **Primary irritant effect:**
- **Skin corrosion/irritation**
  - Causes skin irritation.
- **Serious eye damage/irritation**
  - Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **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.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability**
  - Exposure time: 28 d
  - Result: 12 % not easily biodegradable
  - method: OECD 301 C
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
  - Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
  - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **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**
  - Must be specially treated adhering to official regulations.
  - Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

GB

(Contd. on page 7)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.07.2020

Version number 1.02

Revision: 13.07.2020

Trade name: **DURAHIT WP800 (DM)**

(Contd. of page 6)

## SECTION 14: Transport information

- 14.1 UN-Number
  - ADR, ADN, IMDG, IATA
  - 14.2 UN proper shipping name
  - ADR, ADN, IMDG, IATA
  - 14.3 Transport hazard class(es)
  - ADR, ADN, IMDG, IATA
  - Class
  - 14.4 Packing group
  - ADR, IMDG, IATA
  - 14.5 Environmental hazards:
  - Marine pollutant:
  - 14.6 Special precautions for user
  - 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
  - Transport/Additional information:
  - UN "Model Regulation":
- Void
- Void
- Void
- Void
- No
- Not applicable.
- Not applicable.
- Not dangerous according to the above specifications.
- Void

## SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I Substance is not listed.
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

### - Abbreviations and acronyms:

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2