

# SAFETY DATA SHEET

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

# DAW

## Disbon 481 EP-Uniprimer Härter

Version 1.0

Revision Date 09.09.2013

Print Date 11.09.2013

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

#### 1.1 Product identifier

Trade name : Disbon 481 EP-Uniprimer Härter

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

Use of the Substance/Mixture : Curing chemical

Recommended restrictions on use : within adequate application - none

#### 1.3 Details of the supplier of the safety data sheet

Company : DAW Coatings Nederland B.V.  
Koperslager 2-4  
3861 SJ Nijkerk

Telephone : +31332475000  
Telefax : +31332451833  
E-mail address : msds@dr-rmi.com

Responsible/issuing person

Emergency telephone number/ E-mail address : +31 (0)30-2748888 - Nationaal Vergiftigingen Informatie Centrum: uitsluitend bestemd om artsen te informeren bij accidentele vergiftigingen.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

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

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

#### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Not a dangerous substance according to GHS.

Precautionary statements : **Prevention:**  
P262  
P273  
P281

Do not get in eyes, on skin, or on clothing.  
Avoid release to the environment.  
Use personal protective equipment as

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required.

### Response:

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

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

### Additional Labelling:

EUH205 Contains epoxy constituents. May produce an allergic reaction.  
Restricted to professional users.

### Labelling according to EC Directives: 1999/45/EC

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.  
No information available.

## 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 [%]
benzyl alcohol	100-51-6 202-859-9 01-2119492630- 38-xxxx	Xn; R20/22	Acute Tox.4; H302 Acute Tox.4; H332	>= 1 - < 10
WEL substance :				
1-methoxypropan-2-ol	107-98-2 203-539-1 01-2119457435- 35-XXXX	R10 R67	Flam. Liq.3; H226 STOT SE3; H336	>= 1 - < 10

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.  
No hazards which require special first aid measures.

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- If inhaled : If breathed in, move person into fresh air.  
If symptoms persist, call a physician.
- 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.  
Immediately flush eyes for at least 15 minutes. Get medical attention.
- If swallowed : If swallowed, DO NOT induce vomiting.  
If accidentally swallowed obtain immediate medical attention.  
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.

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## 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 : Wear self contained breathing apparatus for fire fighting if necessary.
- Further information : Standard procedure for chemical fires.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Ensure adequate ventilation.  
Avoid contact with skin and eyes.

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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  
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.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.  
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 : No special protective measures against fire required.

Hygiene measures : Ensure adequate ventilation, especially in confined areas.  
Avoid contact with the skin and the eyes. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Keep working clothes separately. Wash hands before breaks and at the end of workday. Wash hands before eating, drinking, or smoking. Keep away from food and drink.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store at room temperature in the original container. Keep in a well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. To maintain product quality, do not store in heat or direct sunlight. Observe label precautions.

Advice on common storage : Keep away from oxidising agents and strongly acid or alkaline materials.

Storage class (TRGS 510) : 10, Combustible liquids

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Other data : Do not use for spraying. Material Preparation: Add the hardener to the base material and stir intensively with a low-speed electric agitator (max. 400 rpm), until a streak-free, uniform colour is achieved. Pour the mixture in another container and stir again thoroughly.

### 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
1-methoxypropan-2-ol	107-98-2	TWA	100 ppm 375 mg/m <sup>3</sup>	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
1-methoxypropan-2-ol	107-98-2	STEL	150 ppm 568 mg/m <sup>3</sup>	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
1-methoxypropan-2-ol	107-98-2	AGW	100 ppm 370 mg/m <sup>3</sup>	DE TRGS 900
Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., European Union (The EU has established a limit value: deviations in value and peak limit are possible), When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Safety glasses  
German trade association rules - BGR 192 Eye protection

#### Hand protection

Material : Nitrile rubber  
Break through time : 480 min  
Glove thickness : 0,4 mm

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

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For prolonged or repeated contact use protective gloves.  
German trade association leaflet: Carry gloves (ZH 1/706)  
German trade association leaflet: A 023 Hand and skin protection

Skin and body protection : Protective suit

Respiratory protection : No personal respiratory protective equipment normally required.

No personal respiratory protective equipment normally required.  
Do not use for spraying.

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.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid  
Colour : no data available  
Odour Threshold : not applicable  
pH : no data available  
Melting point/range : not determined  
Boiling point/boiling range : 90 °C  
Flash point : 100 °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 : 1,0800 g/cm<sup>3</sup>

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### Solubility(ies)

Water solubility	: insoluble
Partition coefficient: n-octanol/water	: not determined
Thermal decomposition	: no data available
Flow time	: 700,0 s Cross section: 4 mm Method: DIN 53211
Explosive properties	: not applicable
Oxidizing properties	: no data available

### 9.2 Other information

no data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.  
Stable under recommended storage conditions.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.  
No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

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

### 10.5 Incompatible materials

Materials to avoid : Incompatible with strong acids and bases.  
Amines

### 10.6 Hazardous decomposition products

Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:  
Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

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### Product:

Acute toxicity (other routes of administration) : Remarks: No data is available on the product itself.

### Components:

#### **benzyl alcohol:**

Acute oral toxicity : LD50 Oral rat: 1.230 mg/kg

Acute toxicity estimate : 500 mg/kg  
Method: Converted acute toxicity point estimate

Acute dermal toxicity : LD50 Dermal rabbit: 2.000 mg/kg

#### **1-methoxypropan-2-ol:**

Acute oral toxicity : LD50 Oral rat: 5.000 mg/kg

Acute inhalation toxicity : LC50 rat: 6 mg/l  
Exposure time: 4 h

Acute dermal toxicity : LD50 Dermal rabbit: 13.500 mg/kg

### **Skin corrosion/irritation**

#### Product:

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

### **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**



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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., Although the product only contains epoxy resins with high molecular weight, follow good industrial hygiene practice and avoid prolonged skin contact.

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## 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.

### 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 : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

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0.1% or higher.

### 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 : Only completely emptied containers should be given for recycling.  
Material residues: Allow the basic substance to harden with hardener and dispose of as paint waste.  
Uncured product residues are special/hazardous waste.

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## SECTION 14: Transport information

### 14.1 UN number

Not regulated as a dangerous good

### 14.2 Proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class

Not regulated as a dangerous good

### 14.4 Packing group

Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Remarks : see sections 6-8

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

Remarks : not applicable

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## SECTION 15: Regulatory information

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

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

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Product code for laquers and paints / Giscode : RE0 (Germany)

Volatile organic compounds : < 150 g/l

### 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.
R20/22	Harmful by inhalation and if swallowed.
R67	Vapours may cause drowsiness and dizziness.

#### Full text of H-Statements

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.

#### Full text of other abbreviations

Acute Tox.	Acute toxicity
Flam. Liq.	Flammable liquids
STOT SE	Specific target organ toxicity - single exposure

#### 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.

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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.