

**Safety Data Sheet**  
According to 1272/2008/EC (CLP)

Printing Date: 01.06.2015

Version Number: 1.0

Revision Date: 01.06.2015

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier:**Trade name: *HA Soil AF***1.2 Relevant identified uses of the substance or mixture and uses advised against:** Waterproofing.**1.3 Details of the supplier of the safety data sheet:****Manufacturer/supplier:**De Neef Construction Chemicals BVBA  
Industriepark 8,  
2220 Heist-op-den-Berg,  
Belgium.

Tel: +32 15 24 93 60

Fax: +32 15 24 80 72

**Further information obtainable from:** conchem@deneef.com**1.4 Emergency telephone number:**

+44 (0)1235 239 670 (Multi-lingual – 24 Hours)

+44 (0)1235 239 671 (Dedicated phone line for Arabic speaking countries - 24 Hours)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture:****Classification according to Regulation (EC) No 1272/2008**

Resp. Sens. 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carc. 2	H351	Suspected of causing cancer.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.
Acute Tox. 4	H332	Harmful if inhaled.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
STOT SE 3	H335	May cause respiratory irritation.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

**2.2 Label elements:****Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**

GHS07 GHS08

**Signal word** Danger**Hazard-determining components of labelling:**

Diphenylmethanediisocyanate, isomers and homologues

**Hazard statements**H332 Harmful if inhaled.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer.  
H335 May cause respiratory irritation.

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

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

P285 In case of inadequate ventilation wear respiratory protection.

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 water.

P337+P313 If eye irritation persists: Get medical advice/attention.

**Additional information:**

Contains isocyanates. May produce an allergic reaction.

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

### SECTION 3: Composition/information on ingredients

**3.2 Chemical characterization: Mixtures:****Description:**

Mixture of substances listed below with non-hazardous additions.

For further information, please refer to the product technical data sheet.

**Dangerous components:**

CAS: 9016-87-9 EC number: 618-498-9 Index number: 615-005-00-9	Diphenylmethanediisocyanate, isomers and homologues Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373 Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	50-100%
CAS: 6846-50-0 EINECS: 229-934-9 Reg.nr.: 01-2119451093-47-XXXX	2,2-dimethyl-1-(methylethyl)-1,3-propanediyl bis(2-methylpropanoate) Aquatic Chronic 3, H412	30-50%

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

### SECTION 4: First aid measures

**4.1 Description of first aid measures:****General information:** Get medical advice/attention if you feel unwell.**After inhalation:** No special measures required.**After skin contact:** Wash with plenty of soap and water.**After eye contact:** Rinse cautiously with water for several minutes.**After swallowing:**

Rinse mouth.

Do NOT induce vomiting.

**4.2 Most important symptoms and effects, both acute and delayed:**

May cause sensitisation by skin contact.

Irritating to eyes.

**4.3 Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media:

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.

**5.2 Special hazards arising from the substance or mixture:** No further relevant information available.

#### 5.3 Advice for firefighters:

**Protective equipment:** Wear self-contained respiratory protective device.

**Additional information:** Collect contaminated fire fighting water separately. It must not enter the sewage system.

### SECTION 6: Accidental release measures

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

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

#### 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

#### 6.3 Methods and material for containment and cleaning up:

Send for recovery or disposal in suitable receptacles.

Dispose contaminated material as waste according to item 13.

#### 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:

Prevent formation of aerosols.

Avoid contact with skin.

Avoid contact with eyes.

Do not eat, drink or smoke when using this product.

Store in a well-ventilated place. Keep container tightly closed.

Keep only in original container.

Use only outdoors or in a well-ventilated area.

**Information about fire - and explosion protection:** No special measures required.

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

##### STORAGE

**Information about storage in one common storage facility:** No special measures required.

##### Further information about storage conditions:

Protect from frost.

Store in a dry place.

Keep cool.

**7.3 Specific end use(s):** No further relevant information available.

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**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:**

**9016-87-9 Diphenylmethanediisocyanate, isomers and homologues**

WEL	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen; as -NCO
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**Additional information:** Based on the lists valid at the date of MSDS creation.

**8.2 Exposure controls:****PERSONAL PROTECTIVE EQUIPMENT****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

**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.

Filter A.

**Protection of hands:** Protective gloves.

**Material of gloves:** Rubber gloves.

**Penetration time of glove material:**

The exact breakthrough time has to be determined by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**

Safety glasses with side shield protection.

**Body protection:**

Use personal protective equipment as required.

Take off contaminated clothing and wash before reuse.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties:****GENERAL INFORMATION****Appearance:**

<b>Form:</b>	Liquid.
<b>Colour:</b>	Dark brown.
<b>Odour:</b>	Sweet.
<b>Odour threshold:</b>	Not determined.

**pH-value (~):** Not determined.

**Change in conditions:-**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	> 100 °C
<b>Flash point:</b>	140 °C

**Flammability (solid, gaseous):** Not applicable.

**Ignition temperature:** 400 °C

**Decomposition temperature:** Not determined.

**Self-igniting:** Product is not self-igniting.

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<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>EXPLOSION LIMITS</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>VOC Content:</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density at 20 °C:</b>	1.1 g/cm <sup>3</sup>
<b>Relative density:</b>	Not determined.
<b>Vapour density:</b>	Not determined.
<b>Evaporation rate:</b>	Not determined.
<b>Solubility in/Miscibility with:-   Water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>VISCOSITY</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Molecular weight</b>	Not applicable.
<b>9.2 Other information:</b>	No further relevant information available.

**SECTION 10: Stability and reactivity****10.1 Reactivity:** Stable under normal conditions.**10.2 Chemical stability:****Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**10.3 Possibility of hazardous reactions**

Reacts with water.

Reacts with oxidising agents.

**10.4 Conditions to avoid:** No further relevant information available.**10.5 Incompatible materials:** No further relevant information available.**10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide.**SECTION 11: Toxicological information****11.1 Information on toxicological effects:****ACUTE TOXICITY****Primary irritant effect:-****on the skin:** Causes skin irritation.**on the eye:** Causes serious eye irritation.**Inhalation:** May cause respiratory irritation.**Ingestion:** May cause damage to organs through prolonged or repeated exposure.**Sensitisation:**

Sensitisation possible through inhalation.

Sensitisation possible through skin contact.

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**SECTION 12: Ecological information****12.1 Toxicity:**

AQUATIC TOXICITY No further relevant information available.

**12.2 Persistence and degradability:** No further relevant information available.**12.3 Bioaccumulative potential:** No further relevant information available.**12.4 Mobility in soil:** No further relevant information available.**ADDITIONAL ECOLOGICAL INFORMATION****General notes:** Not known to be hazardous to water.**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 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.**SECTION 14: Transport information****14.1 UN-Number**

ADR, ADN, IMDG, IATA

Not Regulated

**14.2 UN proper shipping name**

ADR, ADN, IMDG, IATA

Not Regulated

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA

Class

Not Regulated

**14.4 Packing group**

ADR, IMDG, IATA

Not Regulated

**14.5 Environmental hazards:****Marine pollutant:**

No.

**14.6 Special precautions for user:**

Not Regulated

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not Regulated

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

See Section 2 for hazard identification.

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**National regulations:****Other regulations, limitations and prohibitive regulations:** All components EINECS listed or exempt.**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.

**Relevant phrases:**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

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

H412 Harmful to aquatic life with long lasting effects.

**Department issuing MSDS:**

Product Stewardship Department - GRACE, 580-581 Ipswich Road, Slough, Berkshire, SL1 4EQ

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