

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issue Date 09-Aug-2017

Revision Date 14-Jul-2016

Version 2

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Code** 6114\_GBR  
*Product Name* **Vacsol Aqua 6114**  
**Registration Number(s)** UK-2013-0800-0001, UK-2013-0800-0002

Contains Propiconazole, Tebuconazole, Thiachloprid

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

**Recommended Use** 528/2012 : Product-type 8: Wood preservatives

**Uses advised against** Consumer use

**Reason why uses advised against** Restricted to professional users

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

#### Manufacturer

Arch Timber Protection, Wheldon Road, Castleford, United Kingdom, WF10 2JT, Tel: +44 (0)1977 714000

A Lonza Company

For further information, please contact

**E-mail address** timberprotectionadvice.ukca@lonza.com

### 1.4. Emergency telephone number

**Emergency Telephone** NCEC : +44 (0)1235 239 670

<b>Emergency Telephone - §45 - (EC)1272/2008</b>	
<b>Europe</b>	112
<b>United Kingdom</b>	For health professionals: 0844 892 0111

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

<b>Skin corrosion/irritation</b>	Category 2 - (H315)
<b>Serious eye damage/eye irritation</b>	Category 1 - (H318)
<b>Chronic aquatic toxicity</b>	Category 2 - (H411)

### 2.2. Label elements

Contains Propiconazole, Tebuconazole, Thiachloprid



**Signal word**

Danger

**Hazard statements**

H315 - Causes skin irritation

H318 - Causes serious eye damage

H411 - Toxic to aquatic life with long lasting effects

EUH208 - Contains ( Propiconazole ). May produce an allergic reaction

**Precautionary Statements - EU (§28, 1272/2008)**

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

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

P332 + P313 - If skin irritation occurs: Get medical advice/attention

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

P273 - Avoid release to the environment

P501 - Dispose of contents/ container to an approved waste disposal plant

**2.3. Other hazards**

No information available

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Chemical Name	EC No	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
(2-(2-butoxyethoxy) ethanol)	203-961-6	112-34-5	7-13	Eye Irrit. 2 (H319)	No data available
Hydroxyalkylamine	Listed	-	1-5	Acute Tox. 4 (H302) Skin Corr. 1B (H314) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Propiconazole	262-104-4	60207-90-1	0.1-1	Acute Tox. 4 (H302) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Tebuconazole	403-640-2	107534-96-3	0.1-1	Acute Tox. 4 (H302) Repr. 2 (H361d) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Thiachloprid	-	111988-49-9	<0.1	Acute tox. 4 (H302) Acute Tox. 4 (H332) Carc. Cat. 2 (H351) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available

**Full text of H- and EUH-phrases: see section 16****Section 4: FIRST AID MEASURES****4.1. Description of first aid measures****General advice**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

<b>Inhalation</b>	Remove patient to fresh air. Keep warm and at rest, in a half upright position. Loosen clothing. Seek medical advice.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Do not rub affected area.
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area.
<b>Ingestion</b>	If swallowed, call a poison control center or physician immediately. Do not induce vomiting without medical advice. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Do not leave person alone.

#### **4.2. Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	See Section 11: TOXICOLOGICAL INFORMATION. Eye damage and irritation or/and allergic skin reaction.
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#### **4.3. Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	Treatment should be symptomatic and supportive. If medical advice is needed, have product container or label at hand and contact the poison control centre.
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## **Section 5: FIRE FIGHTING MEASURES**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO<sub>2</sub>). Water spray or fog.

#### **Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire

### **5.2. Special hazards arising from the substance or mixture**

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water Do not allow run-off from fire-fighting to enter drains or water courses

### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

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

#### **Personal precautions**

Ensure adequate ventilation, especially in confined areas.

#### **For emergency responders**

Use personal protection recommended in Section 8.

### **6.2. Environmental precautions**

Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained. Prevent further leakage or spillage if safe to do so.

**6.3. Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Prevent product from entering drains. Dam up. Take up mechanically, placing in appropriate containers for disposal.

**6.4. Reference to other sections**

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**Section 7: HANDLING AND STORAGE****7.1. Precautions for safe handling****Advice on safe handling**

Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations**

Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wear suitable gloves and eye/face protection. Take off all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended.

**7.2. Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep/store only in original container. Protect from frost. Shelf life 24 months.

**Incompatible materials**

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

**7.3. Specific end use(s)****Specific use(s)**

Timber preservative for dilution in water and application in industrial vacuum pressure plant

**Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
(2-(2-butoxyethoxy) ethanol) 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67 mg/m <sup>3</sup>
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
(2-(2-butoxyethoxy) ethanol) 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>	TWA: 50 mg/m <sup>3</sup> STEL: 100 mg/m <sup>3</sup> H*	TWA: 10 ppm TWA: 68 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 68 mg/m <sup>3</sup>
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
(2-(2-butoxyethoxy) ethanol) 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL 15 ppm STEL 101.2 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101 mg/m <sup>3</sup>	STEL: 100 mg/m <sup>3</sup> TWA: 67 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 68 mg/m <sup>3</sup> STEL: 15 ppm STEL: 102 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>
Chemical Name	Belgium	Bulgaria	Croatia	Czech Republic	Estonia
(2-(2-butoxyethoxy) ethanol) 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>	TWA: 100 mg/m <sup>3</sup> Ceiling: 100 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>

Chemical Name	Greece	Hungary	Latvia	Lithuania	Romania
(2-(2-butoxyethoxy) ethanol) 112-34-5		TWA: 67.5 mg/m <sup>3</sup> STEL: 101.2 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>		TWA: 67.5 mg/m <sup>3</sup> TWA: 10 ppm STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>
Chemical Name	Slovakia	Slovenia	Sweden	Russia	Turkey
(2-(2-butoxyethoxy) ethanol) 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: STEL ppm STEL: STEL mg/m <sup>3</sup>		MAC: 10 mg/m <sup>3</sup>	

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2. Exposure controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment

**Eye/face protection**

Tight sealing safety goggles.

**Hand Protection**

Wear protective gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

**Skin and body protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**Environmental exposure controls** Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

**Physical state**

-

**Appearance**

Liquid

**Odor**

sweet

**Color**

colorless or light yellow

**Property**

**Values**

**Remarks • Method**

**pH**

6.87

**Melting point / freezing point**

Not determined

**Boiling point / boiling range**

>= 100 °C

**Flash point**

Not applicable

**Evaporation rate**

Not determined

**Flammability (solid, gas)**

Not determined

**Flammability Limit in Air**

Upper flammability limit:

Not determined

Lower flammability limit:

Not determined

**Vapor pressure**

Not determined

**Vapor density**

Not Determined

**Relative density**

Not determined

**Water solubility**

Not determined

**Solubility(ies)**

Not determined

**Partition coefficient**

Not determined

**Autoignition temperature**

Not determined

**Decomposition temperature**

Not determined

**Kinematic viscosity**

13.9 mm<sup>2</sup>/s @ 20 °C

**Dynamic viscosity**

**Explosive properties**

Not an explosive

**Oxidizing properties**

Not applicable

### 9.2. Other information

Density 1.03 g/cm<sup>3</sup> @ 20 °C

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

#### Explosion data

Sensitivity to Mechanical Impact No information available.  
Sensitivity to Static Discharge No information available.

### 10.3. Possibility of hazardous reactions

#### **Possibility of Hazardous Reactions**

None under normal processing.

### 10.4. Conditions to avoid

Keep from freezing.

### 10.5. Incompatible materials

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

### 10.6. Hazardous decomposition products

None under normal use conditions.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### **Acute toxicity**

#### **Product Information**

<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Eye contact</b>	Causes serious eye damage. Avoid contact with eyes.
<b>Skin contact</b>	Irritating to skin. Avoid contact with skin and clothing.
<b>Ingestion</b>	Do not taste or swallow.

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	4 977.00
<b>ATEmix (dermal)</b>	9 621.00
<b>ATEmix (inhalation-dust/mist)</b>	361.00

#### **Actual Product Data**

#### **Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
(2-(2-butoxyethoxy) ethanol)	2410 mg/Kg (MSE)	2764 mg/kg (RBT)	
Hydroxyalkylamine	>300-2000 mg/kg (RT)		
Propiconazole	= 1517 mg/kg (RT)	> 4000 mg/kg (RT)	>5.8 mg/L (RT) 4h
Tebuconazole	>1700 mg/kg (RT)	> 2000 mg/kg (RT)	> 5.0 mg/L (RT) 4h
Thiachloprid	= 444 mg/kg (RT)	> 2000 mg/kg (RT)	= 1.223 mg/L (RT) 4h

Note:  
RT = Rat  
RBT = Rabbit

MSE = Mouse  
 GP = Guinea Pig  
 V = Vapour

<b>Skin corrosion/irritation</b>	Irritating to skin.
<b>Serious eye damage/eye irritation</b>	Risk of serious damage to eyes.
<b>Sensitization</b>	Not classified.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	None known.
<b>Reproductive toxicity</b>	Not classified.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

LC50: Lethal Concentration to 50% of a test population

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

Chemical Name	Algae/aquatic plants	Fish	Crustacea
(2-(2-butoxyethoxy) ethanol)	100 mg/L EC50 72h (Pseudokirchneriella subcapitata)	1300 mg/L LC50 96h (Lepomis macrochirus)	>100 mg/L EC50 48h (Daphnia magna)
Hydroxyalkylamine	-	>0.1 - 1 mg/L LC50 96h (Oncorhynchus mykiss)	>0.1 - 1 mg/L EC50 48h (daphnia magna)
Propiconazole	0.76 mg/L EC50 (Desmodesmus subspicatus)	4.3 mg/L LC50 96h (Oncorhynchus mykiss)	10.2 mg/L EC50 48h (Daphnia magna)
Tebuconazole	3.8 mg/L EC50 72h (Pseudokirchneriella subcapitata)	4.4 mg/L LC50 48h (Oncorhynchus mykiss)	2.79 mg/L EC50 48h (Daphnia magna)
Thiachloprid	44.7 mg/L EC50 72h (Desmodesmus suspicatus)	25.2 mg/L LC50 96h (Lepomis macrochirus)	0.0407 mg/L EC50 48h (Hyaella Azteca)

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

#### **Mobility in soil**

No information available.

### 12.5. Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**12.6. Other adverse effects**

No information available

**Section 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

<b>Waste from residues/unused products</b>	Dispose of waste product or used containers according to local regulations. Waste codes / waste designations according to EWC / AVV. Cause moderate eye irritation.
<b>Contaminated packaging</b>	Improper disposal or reuse of this container may be dangerous and illegal. Waste codes / waste designations according to EWC / AVV. Cause moderate eye irritation.

**Section 14: TRANSPORT INFORMATION****IMDG**

<b>14.1 UN/ID no</b>	UN3082
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>14.3 Hazard Class</b>	9
<b>14.4 Packing Group</b>	III
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Propiconazole), 9, III
<b>14.5 Marine pollutant</b>	This material meets the definition of a marine pollutant
<b>Environmental hazard</b>	Yes
<b>14.6 Special Provisions</b>	274, 335
<b>EmS-No</b>	F-A, S-F
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No information available

**RID**

<b>14.1 UN/ID no</b>	UN3082
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>14.3 Hazard Class</b>	9
<b>Labels</b>	9
<b>14.4 Packing Group</b>	III
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Propiconazole), 9, III
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special Provisions</b>	274, 335, 601, 375
<b>Classification code</b>	M6

**ADR**

<b>14.1 UN/ID no</b>	UN3082
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>14.3 Hazard Class</b>	9
<b>Labels</b>	9
<b>14.4 Packing Group</b>	III
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Propiconazole), 9, III
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special Provisions</b>	274, 335, 601, 375
<b>Classification code</b>	M6
<b>Tunnel restriction code</b>	(E)

**IATA**

<b>14.1 UN/ID no</b>	UN3082
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<b>14.2 Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>14.3 Hazard Class</b>	9
<b>14.4 Packing Group</b>	III
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Propiconazole), 9, III
<b>14.5 Environmental hazard</b>	Yes
<b>14.6</b>	
<b>ERG Code</b>	9L

## Section 15: REGULATORY INFORMATION

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

**National regulations** Country specific regulation

Chemical Name	French RG number	Title
(2-(2-butoxyethoxy) ethanol) 112-34-5	RG 84	-

**Water hazard class (WGK)** Water endangering class = 2 (self classification)

### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### **Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical Name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
(2-(2-butoxyethoxy) ethanol) - 112-34-5	55.	

#### **The Stockholm Convention on Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009** Not applicable

### 15.2. Chemical safety assessment

No information available

## Section 16: OTHER INFORMATION

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### **Full text of H-Statements referred to under section 3**

H226 - Flammable liquid and vapor  
H301 - Toxic if swallowed  
H302 - Harmful if swallowed  
H314 - Causes severe skin burns and eye damage  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled

H335 - May cause respiratory irritation  
 H351 - Suspected of causing cancer  
 H361d - Suspected of damaging the unborn child  
 H400 - Very toxic to aquatic life  
 H410 - Very toxic to aquatic life with long lasting effects  
 H411 - Toxic to aquatic life with long lasting effects

**Legend**

SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Issue Date** 09-Aug-2017

**Revision Date** 14-Jul-2016

**Revision Note** SDS sections updated, 1.1, 2.2, 3.2, 11, 12.1.

**Further information** The information contained in this safety data sheet is deemed sufficient to allow the user to take all necessary operational control and risk mitigation measures to allow safe use of the product.  
 In the event of any further questions regarding use conditions for this product please contact the address in section 1.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

The information provided in this Material 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.

End of Safety Data Sheet