Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830

SAFETY DATA SHEET

Date of issue/Date of revision

: 9 January 2021

Version : 8.01



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

- 1.1 Product identifier
- Product name
- : JOHNSTONES PERFORMANCE 2 Pack Water Based Epoxy Floor Paint Base : 17000DUP004

Product code Other means of identification

0301840; 00301841; 00301842; 00301843; 00301845; 00306983

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

Product use	: Consumer applications, Professional applications.
Use of the substance/ mixture	: Coating.

1.3 Details of the supplier of the safety data sheet

PG Architectural Coatings UK Ltd, Huddersfield Road, Birstall, West Yorkshire WF17 9XA, Tel: +44 (0) 1924 354000 PPG Europe BV, Oceanenweg 2, 1047 BB Amsterdam, Netherlands. Tel: +31 (0) 204 075 050

e-mail address of person : ps.acemea-north@ppg.com responsible for this SDS

1.4 Emergency telephone number <u>Supplier</u>

+44 (0) 1924 354000

SECTION 2: Hazards identification

 2.1 Classification of the substance or mixture

 Product definition
 : Mixture

 Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

 Eye Dam. 1, H318

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements Hazard pictograms



Signal word Hazard statements DangerCauses serious eye damage.

English (GB)

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SECTION 2: Hazards identification

Precautionary statements		
General	Keep out of reach of children. If medical advice is needed, have proo	duct container
Prevention	Vear eye or face protection.	
Response	IN EYES: Rinse cautiously with water for several minutes. Remove enses, if present and easy to do. Continue rinsing. Immediately call CENTER or doctor.	
Storage	lot applicable.	
Disposal	lot applicable.	
	102, P101, P280, P305 + P351 + P338, P310	
Hazardous ingredients	ormaldehyde, polymers with 1,3-benzenedimethanamine, bispheno iethylenetriamine-glycidyl Ph ether reaction products, epichlorohydri xide and triethylenetetramine, reaction products with glycidyl o-tolyl ulfamates (salts)	in, propylene
Supplemental label elements	lot applicable.	
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	lot applicable.	
Special packaging requiren		
Containers to be fitted with child-resistant fastenings	lot applicable.	
Tactile warning of danger	lot applicable.	
2.3 Other hazards		
Product meets the criteria for PBT or vPvB	This mixture does not contain any substances that are assessed to /PvB.	be a PBT or a

Other hazards which do : None known.

not result in classification

SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

Product/ingredient name	Identifiers	% by weight	Classification Regulation (EC) No. 1272/2008 [CLP]	Туре
Formaldehyde, polymers with 1,3-benzenedimethanamine, bisphenol A, diethylenetriamine- glycidyl Ph ether reaction products, epichlorohydrin, propylene oxide and triethylenetetramine, reaction products with glycidyl o-tolyl ether, sulfamates (salts)	CAS: 238080-05-2	≥10 - <25	Acute Tox. 4, H302 Eye Dam. 1, H318	[1]
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SECTION 3: Composition/information on ingredients

See Section 16 for the full text of the H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

<u>Type</u>

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

[6] Additional disclosure due to company policy

Occupational exposure limits, if available, are listed in Section 8.

SUB codes represent substances without registered CAS Numbers.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	:	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	:	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	:	If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms	a	nd effects, both acute and delayed
Potential acute health effects	<u>s</u>	
Eye contact	:	Causes serious eye damage.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.
Over-exposure signs/sympto	om	<u>IS</u>
Eye contact	:	Adverse symptoms may include the following: pain watering redness
Inhalation	:	No specific data.
Skin contact	:	Adverse symptoms may include the following: pain or irritation redness blistering may occur

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SECTION 4: First aid	measures
Ingestion	: Adverse symptoms may include the following: stomach pains
4.3 Indication of any immedia	ate medical attention and special treatment needed
Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.
SECTION 5: Firefight	ing measures
5.1 Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
5.2 Special hazards arising f	rom the substance or mixture
Hazards from the substance or mixture	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products	: Decomposition products may include the following materials: metal oxide/oxides
5.3 Advice for firefighters	
Special precautions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SECTION 6: Acciden	tal release measures
6.1 Personal precautions, pr	otective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Do not breathe vapour or mist Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3 Methods and material for	containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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SECTION 6: Accidental release measures

Large spill	: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
6.4 Reference to other sections	 See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
7.2 Conditions for safe storage, including any incompatibilities	: Store between the following temperatures: 5 to 25°C (41 to 77°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

See Section 1.2 for Identified uses.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

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SECTION 8: Exposure controls/personal protection

English (GB)	United Kingdom (UK) 6/1
Respiratory protection	:
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Gloves	: nitrile rubber, butyl rubber, PVC, Viton®
Eye/face protection Skin protection Hand protection	 Chemical splash goggles and face shield. Use eye protection according to EN 166 Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Individual protection meas	
Appropriate engineering controls	: If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
8.2 Exposure controls	
<u>PNECs</u> PNECs - Not available.	
<u>DNELs</u> DNELs - Not available.	
Recommended monitoring procedures	: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

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SECTION 8: Exposure controls/personal protection

	Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Wear a respirator conforming to EN140. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Mask type: full-face mask half-face mask Filter type: organic vapour filter (Type A) particulate filter P3 Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical	l and chemical properties
<u>Appearance</u>	
Physical state	: Liquid.
Colour	: Various
Odour	: Faint odour.
Odour threshold	: Not available.
рН	: 8
Melting point/freezing point	: May start to solidify at the following temperature: 0°C (32°F) This is based on data for the following ingredient: water.
Initial boiling point and boiling range	: >37.78°C
Flash point	: Closed cup: Not applicable. [Product does not sustain combustion.]
Evaporation rate	: Not available.
Flammability (solid, gas)	: liquid
Upper/lower flammability or explosive limits	: Not applicable.
Vapour pressure	: Highest known value: 3.2 kPa (23.8 mm Hg) (at 20°C) (water).
Relative density	: 1.42
Solubility(ies)	: Partially soluble in the following materials: cold water.
Partition coefficient: n-octanol/ water	: Not applicable.
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: Stable under recommended storage and handling conditions (see Section 7).
Viscosity	: Kinematic (40°C): >0.21 cm ² /s
Explosive properties	: Not available.
Oxidising properties	: Product does not present an oxidizing hazard.

9.2 Other information

No additional information.

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SECTION 10: Stability and reactivity		
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.	
10.2 Chemical stability	: The product is stable.	
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.	
10.4 Conditions to avoid	 When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8. 	
10.5 Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.	
10.6 Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: metal oxide/oxides	

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

: There are no data available on the mixture itself.

Conclusion/Summary Acute toxicity estimates

	Route	ATE value
Oral		3889.39 mg/kg

Irritation/Corrosion	
Conclusion/Summary	
Skin	: There are no data available on the mixture itself.
Eyes	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.
Sensitisation	
Conclusion/Summary	
Skin	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.
<u>Autagenicity</u>	
Conclusion/Summary	: There are no data available on the mixture itself.
Carcinogenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Reproductive toxicity	
Conclusion/Summary	: There are no data available on the mixture itself.
<u>Teratogenicity</u>	
Conclusion/Summary	: There are no data available on the mixture itself.
<u>Specific target organ toxi</u>	<u>city (single exposure)</u>
Not available.	

Specific target organ toxicity (repeated exposure)

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SECTION 11: Toxicological information

Not available.		
Aspiration hazard		
Not available.		
Information on likely routes of exposure	:	Not available.
Potential acute health effect	s	
Inhalation	1	No known significant effects or critical hazards.
Ingestion	1	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Eye contact	1	Causes serious eye damage.
Symptoms related to the ph	ys	ical, chemical and toxicological characteristics
Inhalation	:	No specific data.
Ingestion	:	Adverse symptoms may include the following: stomach pains
Skin contact	:	Adverse symptoms may include the following: pain or irritation redness blistering may occur
Eye contact	:	Adverse symptoms may include the following: pain watering redness
Delayed and immediate effe	cts	as well as chronic effects from short and long-term exposure
Short term exposure		
Potential immediate effects	1	Not available.
Potential delayed effects	1	Not available.
Long term exposure		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Potential chronic health effe	ect	<u>s</u>
Not available.		
Conclusion/Summary		Not available.
General	-	No known significant effects or critical hazards.
Carcinogenicity	÷	No known significant effects or critical hazards.
Mutagenicity	÷	No known significant effects or critical hazards.
Reproductive toxicity	÷	No known significant effects or critical hazards.
		,
Other information	÷	Not available.

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SECTION 12: Ecological information

12.1 Toxicity

Code

Conclusion/Summary : There are no data available on the mixture itself.

12.2 Persistence and degradability

Conclusion/Summary : There are no data available on the mixture itself.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	 Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

European waste catalogue (EWC)

Waste code		Waste designation
08 01 12	waste paint and varnish other than those mentioned in 08 01 11	
ackaging	I	
Methods of disposal	packaging s	tion of waste should be avoided or minimised wherever possible. Waste should be recycled. Incineration or landfill should only be considered ing is not feasible.
Type of packaging		European waste catalogue (EWC)
Container	15 01 04	metallic packaging
Special precautions	: This materia	al and its container must be disposed of in a safe way. Care should be

al precautions	: I his material and its container must be disposed of in a safe way. Care should be
	taken when handling emptied containers that have not been cleaned or rinsed out.
	Empty containers or liners may retain some product residues. Avoid dispersal of
	spilt material and runoff and contact with soil, waterways, drains and sewers.

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14. Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.	Not applicable.

Additional information

ADR/RID	: None identified.
ADN	: None identified.
IMDG	: None identified.
ΙΑΤΑ	: None identified.

14.6 Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk	: Not applicable.
according to IMO	
instruments	

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Ozone depleting substances (1005/2009/EU)

Not listed.

VOC for Ready-for-Use	: IIA/j. Two-pack reactive performance coatings for specific end use such as floors.	
Mixture	EU limit values: 140g/l (2010.)	
	This product contains a maximum of 3 g/l VOC.	

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SECTION 15: Regulatory information

Seveso Directive

This product is not controlled under the Seveso Directive.

15.2 Chemical safety

: No Chemical Safety Assessment has been carried out.

assessment

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PNEC = Predicted No Effect Concentration RRN = REACH Registration Number PBT = Persistent, Bioaccumulative and Toxic vPvB = Very Persistent and Very Bioaccumulative ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway IMDG = International Maritime Dangerous Goods

IATA = International Air Transport Association

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Eye Dam. 1, H318	Calculation method

Full text of abbreviated H statements

		Harmful if swallowed. Causes serious eye damage.	
Full text of classifications [CLP/GHS]			
Acute Tox. 4 Eye Dam. 1		ACUTE TOXICITY - Category 4 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1	
<u>History</u>			
Date of issue/ Date of revision	: 9 January 2021		

Date of previous issue	: 24 June 2020
Prepared by	: EHS
Version	: 8.01

<u>Disclaimer</u>

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.