SAFETY DATA SHEET



Date of issue/Date of revision 19 July 2018 Version 13

Section 1. Identification	
Product name	: PURPLE STARLIGHT FULL GL
Product code	: PCTT55101
Other means of identification	: Not available.
Product type	: Powder.
Relevant identified uses of	the substance or mixture and uses advised against
Product use	: Industrial applications.
Use of the substance/ mixture	: Coating. Paints. Painting-related materials.
Uses advised against	: Not applicable.
Manufacturer	: PPG Industries, Inc. One PPG Place Pittsburgh, PA 15272
Emergency telephone number	 (412) 434-4515 (U.S.) (514) 645-1320 (Canada) 01-800-00-21-400 or + 52 55 5559 1588 (Mexico)
Technical Phone Number	: ∲ 888-774-2001 (US and Canada)

Section 2. Hazards identification

OSHA/HCS status	 This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: COMBUSTIBLE DUSTS ACUTE TOXICITY (oral) - Category 4 SKIN SENSITIZATION - Category 1 GERM CELL MUTAGENICITY - Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 1.5% (Oral), 8. 2% (Dermal), 90.2% (Inhalation)
GHS label elements	
Hazard pictograms	
Signal word	: Danger
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Product name PURPLE STARLIGHT FULL GL

Section 2. Hazards identification

Hazard statements	 May form combustible dust concentrations in air. Harmful if swallowed. May cause an allergic skin reaction. May cause genetic defects. May cause damage to organs through prolonged or repeated exposure.
Precautionary statements	
Prevention	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Do not breathe dust or mist. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
Response	: Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.
Storage	: Store locked up.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: Keep container tightly closed. Keep away from heat, sparks, open flames and hot surfaces No smoking. Prevent dust accumulation. Emits toxic fumes when heated.
Hazards not otherwise classified	: Fine dust clouds may form explosive mixtures with air. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture	
Product name	: PURPLE STARLIGHT FULL GL	_

Ingredient name	%	CAS number
	≥5.0 - <10 ≥1.0 - ≤5.0	2451-62-9 65997-17-3

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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 and hence require reporting in this section.

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

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Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person. Description of necessary 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 recognized skin cleanser. Do NOT use solvents or thinners. Ingestion If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed Potential acute health effects Eye contact : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes. Exposure to airborne concentrations above statutory or recommended exposure limits Inhalation 2 may cause irritation of the nose, throat and lungs. : May cause an allergic skin reaction. Skin contact Ingestion : Harmful if swallowed. Over-exposure signs/symptoms Eye contact : Adverse symptoms may include the following: irritation redness : Adverse symptoms may include the following: Inhalation respiratory tract irritation coughing : Adverse symptoms may include the following: Skin contact irritation redness Ingestion : No specific data. Indication of immediate medical attention and special treatment needed, if necessary

indication of infinediate me	alour attention and special treatment needed, in needessary
Notes to physician	 In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.
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.

See toxicological information (Section 11)

Product name PURPLE STARLIGHT FULL GL

Section 5. Fire-fighting measures

Extinguishing media		
Suitable extinguishing media	Use dry chemical powder.	
Unsuitable extinguishing media	Avoid high pressure media which could cause the formation of a potentially dust-air mixture.	explosible
Specific hazards arising from the chemical	Fine dust clouds may form explosive mixtures with air.	
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon oxides nitrogen oxides	
Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the in there is a fire. No action shall be taken involving any personal risk or withou training. Move containers from fire area if this can be done without risk. Us spray to keep fire-exposed containers cool.	ut suitable
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contain apparatus (SCBA) with a full face-piece operated in positive pressure mode	

Section 6. Accidental release measures

Personal precautions, protective 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 spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	If specialized 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".
Environmental precautions	:	Avoid dispersal of spilled 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).
Methods and materials for co	ont	ainment and cleaning up
Small spill	:	Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

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Section 6. Accidental release measures

Large spill

: Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe dust. Do not ingest. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. 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.
Conditions for safe storage, including any incompatibilities	: Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. 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 unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

<u>Control parameters</u> <u>Occupational exposure limits</u>

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Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
Ingredient name	ACGIH TLV (United States, 3/2017).TWA: 0.05 mg/m³ 8 hours.ACGIH TLV (United States).TWA: 1 f/cc Form: Continuous filament glassfibersTWA: 5 mg/m³, (Inhalable) Form:Continuous filament glass fibersTWA: 3 mg/m³ Form: RespirableTWA: 10 mg/m³ Form: Total dustOSHA PEL (United States).TWA: 15 mg/m³TWA: 5 mg/m³ Form: Total dustOSHA PEL (United States, 3/2017).TWA: 5 mg/m³ Form: Total dustACGIH TLV (United States, 3/2017).TWA: 5 mg/m³ 8 hours. Form: InhalablefractionTWA: 1 f/cc 8 hours. Form: Respirable fibers:length greater than 5 uM; aspect ratio equal toor greater than 3:1 as determined by themembrane filter method at 400-450Xmagnification (4-mm objective) phase contrastillumination.
the ventilation or other control mea protective equipment. Reference	S = Potential skin absorption SR = Respiratory sensitization SS = Skin sensitization STEL = Short term Exposure limit values TD = Total dust TLV = Threshold Limit Value TWA = Time Weighted Average with exposure limits, personal, workplace Ing may be required to determine the effectiveness of asures and/or the necessity to use respiratory should be made to appropriate monitoring standards. cuments for methods for the determination of
ontrolsor mist, use process enclosures, lo to keep worker exposure to airborr limits. The engineering controls al below any lower explosive limits. I Emissions from ventilation or work they comply with the requirements	. If user operations generate dust, fumes, gas, vapor ocal exhaust ventilation or other engineering controls ne contaminants below any recommended or statutory so need to keep gas, vapor or dust concentrations Jse explosion-proof ventilation equipment. process equipment should be checked to ensure of environmental protection legislation. In some ngineering modifications to the process equipment ons to acceptable levels.

Individual protection measures

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Section 8. Exposure controls/personal protection

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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection Skin protection	: Safety glasses with side shields.
Hand protection	: 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.
Gloves	: butyl rubber
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.
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.
Respiratory protection	: 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. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Section 9. Physical and chemical properties

<u>Appearance</u>	
Physical state	: Solid.
Color	: Purple.
Odor	: Not available.
Odor threshold	: Not available.
рН	: Not available.
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Closed cup: Not applicable.
Material supports combustion.	: Yes.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Evaporation rate	: Not available.
Vapor pressure	: Not available.

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Section 9. Physical and chemical properties

Vapor density	: Not available.
Relative density	: 1.23
Density(lbs / gal)	: 10.26
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n- octanol/water	: Not available.
Viscosity	: Kinematic (40°C (104°F)): Not applicable.
Volatility	: 0% (v/v), -0.001% (w/w)
% Solid. (w/w)	: 100.001

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products	: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
1,3,5-tris(oxiranylmethyl)-1,3, 5-triazine-2,4,6(1H,3H,5H)- trione	LD50 Oral	Rat	138 mg/kg	-
Conclusion/Summary Irritation/Corrosion	: There are no data availa	able on the mixture itse	elf.	
Conclusion/Summary				
Skin	: There are no data availa	able on the mixture itse	elf.	
Eyes	: There are no data availa	able on the mixture itse	elf.	
Respiratory	: There are no data availa	able on the mixture itse	elf.	
Sensitization				
Conclusion/Summary				

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Section 11. Toxicological information

Skin	: There are no data available on the mixture itself.		
Respiratory	: There are no data available on the mixture itself.		
<u>Mutagenicity</u>			
Conclusion/Summary	: There are no data available on the mixture itself.		
Carcinogenicity			
Conclusion/Summary	: There are no data available on the mixture itself.		
Classification			
Product/ingredient name	OSHA	IARC	NTP
glass, oxide, chemicals	-	3	-

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4 NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen OSHA: + Not listed/not regulated: -

Reproductive toxicity

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

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

reproductive system, , testes.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Name		Category
1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione		Category 2
Target organs	: Contains material which causes damage to the following skin, eyes. Contains material which may cause damage to the follow	

Aspiration hazard

Not available.

Information on the likely routes of exposure

Potential acute health effects

Eye contact	: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
Inhalation	: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
Skin contact	: May cause an allergic skin reaction.
Ingestion	: Harmful if swallowed.
Over-exposure signs	/symptoms
Eye contact	: Adverse symptoms may include the following: irritation redness
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Section 11. Toxicological information

Inhalation	Adverse symptoms may include the following: respiratory tract irritation coughing		
Skin contact	Adverse symptoms may include the following: irritation redness		
Ingestion	o specific data.		
Delayed and immediate effect	d also chronic effects from short and long term exposure		
Conclusion/Summary	here are no data available on the mixture itself. Repeated exposure of the eye w level of dust can produce eye irritation. Repeated or prolonged inhalation of ay lead to chronic respiratory irritation. Ingestion may cause nausea, diarrheat omiting. This takes into account, where known, delayed and immediate effect so chronic effects of components from short-term and long-term exposure by halation and dermal routes of exposure and eye contact.	of dust a and is and	
Short term exposure			
Potential immediate effects	nere are no data available on the mixture itself.		
Potential delayed effects	There are no data available on the mixture itself.		
Long term exposure			
Potential immediate effects	There are no data available on the mixture itself.		
Potential delayed effects	There are no data available on the mixture itself.		
Potential chronic health effe			
General	ay cause damage to organs through prolonged or repeated exposure. Repeator olonged inhalation of dust may lead to chronic respiratory irritation. Once ser severe allergic reaction may occur when subsequently exposed to very low le	nsitized,	
Carcinogenicity	No known significant effects or critical hazards.		
Mutagenicity	ay cause genetic defects.		
Teratogenicity	o known significant effects or critical hazards.		
Developmental effects	No known significant effects or critical hazards.		
Fertility effects	No known significant effects or critical hazards.		
Numerical measures of toxic			
Acute toxicity estimates			
Route	ATE value		
Oral	1494.8 mg/kg		

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Product name PURPLE STARLIGHT FULL GL

Section 12. Ecological information

Bioaccumulative potential

Not available.

Mobility in soil Soil/water partition coefficient (Koc)

: Not available.

Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

14. Transport information

	DOT	IMDG	ΙΑΤΑ
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class (es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

Additional information

- **DOT** : None identified.
- **IMDG** : None identified.
- IATA : None identified.

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14. Transport information

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.

Section 15. Regulatory information

United States

United States inventory (TSCA 8b) : All components are listed or exempted.

SARA 302/304

SARA 304 RQ : Not applicable.

Composition/information on ingredients

No products were found.

<u>SARA 311/312</u>

Classification

: ♥OMBUSTIBLE DUSTS ACUTE TOXICITY (oral) - Category 4 SKIN SENSITIZATION - Category 1 GERM CELL MUTAGENICITY - Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Composition/information on ingredients

Name	%	Classification
7,3,5-tris(oxiranylmethyl)-1,3, 5-triazine-2,4,6(1H,3H,5H)-trione	≥5.0 - <10	COMBUSTIBLE DUSTS ACUTE TOXICITY (oral) - Category 3 SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1B GERM CELL MUTAGENICITY - Category 1B SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health : 2 * Flammability : 0 Physical hazards : 1

(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on MSDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)

Health : 2 Flammability : 0 Instability : 1

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Section 16. Other information

Date of previous issue	1	11/2/2017
Organization that prepared the MSDS	:	EHS
Key to abbreviations	:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations

Indicates information that has changed from previously issued version.

Disclaimer

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 PPG, 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.