

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008 (CLP)
- Water Base Metallic Ink

Daemyung Chemical Industry (Shanghai) Co.,LTD

Issue date : 19/Jan/2016

1.0 - Identification of the substance/mixture and company undertaking

1.1 - Product identification

Trade name	DM-M (Silver)
Substance name	Water Base Metallic Ink
Index-No.	N/A
CAS-No.	N/A
EC-No.	N/A

1.2 - Relevant identified use of the substance or mixture and use advised against

Use of the substance/mixture	Preparation for writing instruments.
Recommended restrictions on use	At this time we do not yet have information on use restrictions. They will be included in this safety data sheet when available

1.3 - Details of supplier of the safety data sheet

Company	Daemyung Chemical Industry(Shanghai)Co.,LTD No83, YuXiu Road, YongFeng St, SongJiang Area,Shanghai,China
Telephone	+86-21-67728031
Fax	+86-21-67728037
E-mail address	selano@naver.com

1.4 - Emergency telephone number

Emergency telephone	+86-13816800468
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2.0 - Hazards Identification

2.1 - Classification of the substance or mixture

Directive 67/548/EEC or 1999/45/EC	
Hazard symbol/Category of danger	Risk phrases
-	See Section 16

Most important adverse effects

Human health	See Section 11 for toxicological information. No further information available.
Physical and chemical hazards	See Section 9 for physicochemical information. No further information available.
Potential environmental effects	See Section 12 for physicochemical information. No further information available

Hazard description	Not applicable.
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**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008 (CLP)
- Water Base Metallic Ink**

Daemyung Chemical Industry (Shanghai) Co.,LTD

Information concerning particular hazards for human and environment	he product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version
Classification system	he classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.3 - Other hazards

No other information is available.

3.0 - Composition/information on ingredients

3.1 - Substances

Chemical name	Index No.	Cas No.	EC No.	Amount(%)
<i>Aluminium powder</i>	-	7429-90-5		6
<i>Styrene-acrlonitrile co-polymer</i>	-	9003-54-7	-	20
<i>Diethylene glycol</i>	-	111-46-6	-	5
<i>Water</i>	-	7732-18-5	-	69

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the R-phrases mentioned in this Section, see Section 16.

4.0 - First aid measures

4.1- Description of first aid measures

General advice	No special measures required.
In case of inhalation	Remove form exposure site to fresh air, keep at rest, and obtain medical attention.
In case of skin contact	Remove contaminated cloths. Wash thoroughly with soap and water. Contact physician if irritation persists.
In case of eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Consult an eye specialist immediately.
In case of ingestion	Rinse mouth with water and obtain medical attention.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms	<i>No further information available.</i>
Effects	<i>No further information available.</i>

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008 (CLP)
- Water Base Metallic Ink

Daemyung Chemical Industry (Shanghai) Co.,LTD

4.3 - Indication of immediate medical attention and special treatment needed

Treatment	Treat symptomatically. <i>No further information available.</i>
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5.0 - Fire-fighting measures

5.1 - Extinguishing media

Suitable extinguishing media	CO2 or water spray. Fight larger fires with water spray or alcohol resistant foam.
Unsuitable extinguishing media	<i>No further information available.</i>

5.2 - Special hazards arising from the substance or mixture

Specific hazards during fire-fighting	<i>No further information available.</i>
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5.3 - Advice for fire-fighters

Special protective equipment for fire-fighters	Protective equipment suitable for the surrounding fire should be used
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6.0 - Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

Personal precautions	<i>Not required.</i>
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6.2 - Environmental precautions

Environmental precautions	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
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6.3 - Methods and materials for containment and cleaning up

Methods and materials for containmetn and cleaning up	Transfer into marked sealable drums for disposal according to local/national regulations (see Section 13).
Further information	Treat recovered material as described in Section 13

6-4 - Reference to other sections

For personal protection see Section 8

7.0 - Handling and storage

7.1 - Precautions for safe handling

Advice on safe handling	Avoid contact with skin and eyes. Emergency eye wash fountains should be available in the immediate vicinity
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SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008 (CLP)
- Water Base Metallic Ink

Daemyung Chemical Industry (Shanghai) Co.,LTD

Hygiene measures	Keep away from food, drink and animal feeding stuffs. Eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of the working day. Take off all contaminated clothing immediately. Avoid contact with skin and eyes.
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7.2 - Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	<i>No special measures required.</i>
Advice on protection against fire and explosion	<i>No special measures required.</i>
Further information on storage conditions	<i>No special measures required.</i>
Advice on common storage	<i>No special measures required.</i>

7.3 - Specific and uses

Specific use(s)	<i>No information available.</i>
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8.0 - Exposure controls/personal protection

8.1 - Control parameters

No control parameters required.

8.2 - Exposure controls

Engineering measures

Refer to protective measures listed in Sections 7 and 8.

Personal protective equipment

Respiratory protection	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. 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. Recommended: Full mask with type ABEK filter if product forms vapour/aerosol.
Hand protection	Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Protective gloves should be replaced at first signs of wear.
Eye protection	Safety glasses
Skin and body protection	Wear suitable protective clothing.

Environmental exposure controls

Do not let product enter drains. If the product contaminates rivers and lakes or drains inform respective authorities.

9.0 - Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Form	<i>Liquid</i>
Colour	<i>Silver</i>
Odour	<i>Slight odour</i>
Odour threshold	<i>No information available.</i>
Water solubility	<i>Miscible</i>
Thermal decomposition	<i>N/A</i>
Oxidizing properties	<i>N/A</i>
Melting point	<i>Untermind</i>
Boiling point	<i>100</i>
Flash point	<i>N/A</i>
Danger of explosion	<i>Product does not present an explosion hazard</i>
Self-igniting	<i>Product is not selfigniting</i>
Density	<i>Not determined</i>
Vapour pressure at 20	<i>N/A</i>
PH-Value at 20° C	
Viscosity	<i>10 mPas</i>
Solubility in / Miscibility with water	<i>Fully miscible</i>

9.2 - Other information

No further information available.

10.0 - Stability and reactivity

10.1 - Reactivity

Advice : Stable under recommended storage conditions.

10.2 - Chemical stability

Advice : Stable under normal conditions.

10.3 - Possibility of hazardous reactions

Hazardous reactions : No information available.

10.4 - Conditions to avoid

Conditions to avoid : Stable under normal conditions.

10.5 - Incompatible Materials

Materials to avoid : Reacts with strong acids and alkalis.

10.6 - Hazardous decomposition products

Hazardous

**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008 (CLP)
- Water Base Metallic Ink**

Daemyung Chemical Industry (Shanghai) Co.,LTD

Decomposition : No dangerous decomposition products known.
Products

11.0 - Toxicological information

11.1 - Information on toxicological effects

Acute Toxicity	-
Primary irritant effect	-
On the skin	<i>No irritant effect</i>
On the eye	<i>No irritating effect</i>
Sensitization	<i>No sensitizing effects known</i>
Additional toxicological information	<i>The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.</i>

12.0 - Ecological information

Generally not hazardous for water.

13.0 - Disposal considerations

13.1 - Waste treatment methods

Product	
Recommendation	<i>Disposal must be made according to official regulations</i>

European waste catalogue	
<i>08 00 00</i>	<i>Wates from the manufacture, formulation, supply and use(MFSU) if coatings (Paints, Varnishes and Vitreous enamels), Adhesives, sealants and printing inks</i>
<i>08 01 00</i>	<i>wastes from MFSU and removal of paint and varnish</i>
<i>08 01 13*</i>	<i>sludges from paint or varnish containing organic solvents or other dangerous substances</i>

14.0 - Transport information

14.1 - UN number

14.2 - UN proper shipping name

ADR	N/A
RID	N/A
IMDG	N/A

14.3 - Transprot hazard class(es)

ADR-Class	N/A
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**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008 (CLP)
- Water Base Metallic Ink**

Daemyung Chemical Industry (Shanghai) Co.,LTD

(Labels ; classification code ; hazard identification number ; tunnel restriction code)	N/A
RID-Class	N/A
(Labels ; classification code ; hazard identification number)	N/A
IMDG-Class	N/A
(Labels ; EmS)	N/A

14.4 Packing group

ADR	N/A
RID	N/A
IMDG	N/A

14.5 - Environmental hazards

Labelling according to 5.2.1.8 ADR	N/A
Labelling according to 5.2.1.8 ADR	N/A
Labelling according to 5.2.1.8 ADR	N/A
Classification as environmentally hazardous according to 2.9.3 IMDG	N/A
Classified as 'P' according to 2.10 IMDG	N/A

14.6 - Special precautions for user

No information available.

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

IMDG	-
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15.0 - Regulatory information

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

No information available.

15.2 - Chemical safety Assessment

No information available.

16.0 - Other information

16.1 - Full text of R-phrases referred to under Sections 2 and 3

Risk Phrase	

16.2 - Full text of H-statements referred to under Sections 2 and 3

Hazardous statement	

16.3 - Further information

The information provided in this safety data sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this safety data sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008 (CLP)
- Water Base Metallic Ink

Daemyung Chemical Industry (Shanghai) Co.,LTD

Issue date : 19/Jan/2016

1.0 - Identification of the substance/mixture and company undertaking

1.1 - Product identification

Trade name	DM-M (Gold)
Substance name	Water Base Metallic Ink
Index-No.	N/A
CAS-No.	N/A
EC-No.	N/A

1.2 - Relevant identified use of the substance or mixture and use advised against

Use of the substance/mixture	Preparation for writing instruments.
Recommended restrictions on use	At this time we do not yet have information on use restrictions. They will be included in this safety data sheet when available

1.3 - Details of supplier of the safety data sheet

Company	Daemyung Chemical Industry(Shanghai)Co.,LTD No83, YuXiu Road, YongFeng St, SongJiang Area,Shanghai,China
Telephone	+86-21-67728031
Fax	+86-21-67728037
E-mail address	selano@naver.com

1.4 - Emergency telephone number

Emergency telephone	+86-13816800468
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2.0 - Hazards Identification

2.1 - Classification of the substance or mixture

Directive 67/548/EEC or 1999/45/EC	
Hazard symbol/Category of danger	Risk phrases
-	See Section 16

Most important adverse effects

Human health	See Section 11 for toxicological information. No further information available.
Physical and chemical hazards	See Section 9 for physicochemical information. No further information available.
Potential environmental effects	See Section 12 for physicochemical information. No further information available

Hazard description	Not applicable.
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SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008 (CLP)
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Daemyung Chemical Industry (Shanghai) Co.,LTD

Information concerning particular hazards for human and environment	he product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version
Classification system	he classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.3 - Other hazards

No other information is available.

3.0 - Composition/information on ingredients

3.1 - Substances

Chemical name	Index No.	Cas No.	EC No.	Amount(%)
<i>Aluminium powder</i>	-	7429-90-5		5
<i>Styrene-acrilonitrile co-polymer</i>	-	9003-54-7	-	20
<i>Diethylene glycol</i>	-	111-46-6	-	5
<i>Pigment Red 122</i>		980-26-1	-	1
<i>Pigment Yellow 83</i>		5567-15-7		2
<i>Water</i>	-	7732-18-5	-	67

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the R-phrases mentioned in this Section, see Section 16.

4.0 - First aid measures

4.1- Description of first aid measures

General advice	No special measures required.
In case of inhalation	Remove form exposure site to fresh air, keep at rest, and obtain medical attention.
In case of skin contact	Remove contaminated cloths. Wash thoroughly with soap and water. Contact physician if irritation persists.
In case of eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Consult an eye specialist immediately.
In case of ingestion	Rinse mouth with water and obtain medical attention.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms	<i>No further information available.</i>
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SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008 (CLP)
- Water Base Metallic Ink

Daemyung Chemical Industry (Shanghai) Co.,LTD

Effects	<i>No further information available.</i>
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4.3 - Indication of immediate medical attention and special treatment needed

Treatment	Treat symptomatically. <i>No further information available.</i>
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5.0 - Fire-fighting measures

5.1 - Extinguishing media

Suitable extinguishing media	CO2 or water spray. Fight larger fires with water spray or alcohol resistant foam.
Unsuitable extinguishing media	<i>No further information available.</i>

5.2 - Special hazards arising from the substance or mixture

Specific hazards during fire-fighting	<i>No further information available.</i>
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5.3 - Advice for fire-fighters

Special protective equipment for fire-fighters	Protective equipment suitable for the surrounding fire should be used
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6.0 - Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

Personal precautions	<i>Not required.</i>
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6.2 - Environmental precautions

Environmental precautions	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
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6.3 - Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up	Transfer into marked sealable drums for disposal according to local/national regulations (see Section 13).
Further information	Treat recovered material as described in Section 13

6-4 - Reference to other sections

For personal protection see Section 8

7.0 - Handling and storage

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008 (CLP)
- Water Base Metallic Ink

Daemyung Chemical Industry (Shanghai) Co.,LTD

7.1 - Precautions for safe handling

Advice on safe handling	Avoid contact with skin and eyes. Emergency eye wash fountains should be available in the immediate vicinity
Hygiene measures	Keep away from food, drink and animal feeding stuffs. Eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of the working day. Take off all contaminated clothing immediately. Avoid contact with skin and eyes.

7.2 - Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	<i>No special measures required.</i>
Advice on protection against fire and explosion	<i>No special measures required.</i>
Further information on storage conditions	<i>No special measures required.</i>
Advice on common storage	<i>No special measures required.</i>

7.3 - Specific and uses

Specific use(s)	<i>No information available.</i>
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8.0 - Exposure controls/personal protection

8.1 - Control parameters

No control parameters required.

8.2 - Exposure controls

Engineering measures

Refer to protective measures listed in Sections 7 and 8.

Personal protective equipment

Respiratory protection	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. 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. Recommended: Full mask with type ABEK filter if product forms vapour/aerosol.
Hand protection	Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Protective gloves should be replaced at first signs of wear.
Eye protection	Safety glasses

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008 (CLP)
- Water Base Metallic Ink

Daemyung Chemical Industry (Shanghai) Co.,LTD

Skin and body protection	Wear suitable protective clothing.
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Environmental exposure controls

Do not let product enter drains. If the product contaminates rivers and lakes or drains inform respective authorities.

9.0 - Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Form	<i>Liquid</i>
Colour	<i>Gold</i>
Odour	<i>Slight odour</i>
Odour threshold	<i>No information available.</i>
Water solubility	<i>Miscible</i>
Thermal decomposition	<i>N/A</i>
Oxidizing properties	<i>N/A</i>
Melting point	<i>Untermind</i>
Boiling point	<i>100</i>
Flash point	<i>N/A</i>
Danger of explosion	<i>Product does not present an explosion hazard</i>
Self-igniting	<i>Product is not selfigniting</i>
Density	<i>Not determined</i>
Vapour pressure at 20	<i>N/A</i>
PH-Value at 20° C	
Viscosity	<i>10 mPas</i>
Solubility in / Miscibility with water	<i>Fully miscible</i>

9.2 - Other information

No further information available.

10.0 - Stability and reactivity

10.1 - Reactivity

Advice : Stable under recommended storage conditions.

10.2 - Chemical stability

Advice : Stable under normal conditions.

10.3 - Possibility of hazardous reactions

Hazardous reactions : No information available.

10.4 - Conditions to avoid

Conditions to avoid : Stable under normal conditions.

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008 (CLP)
- Water Base Metallic Ink

Daemyung Chemical Industry (Shanghai) Co.,LTD

10.5 - Incompatible Materials

Materials to avoid : Reacts with strong acids and alkalis.

10.6 - Hazardous decomposition products

Hazardous

Decomposition : No dangerous decomposition products known.

Products

11.0 - Toxicological information

11.1 - Information on toxicological effects

Acute Toxicity	-
Primary irritant effect	-
On the skin	<i>No irritant effect</i>
On the eye	<i>No irritating effect</i>
Sensitization	<i>No sensitizing effects known</i>
Additional toxicological information	<i>The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.</i>

12.0 - Ecological information

Generally not hazardous for water.

13.0 - Disposal considerations

13.1 - Waste treatment methods

Product	
Recommendation	<i>Disposal must be made according to official regulations</i>

European waste catalogue	
<i>08 00 00</i>	<i>Wates from the manufacture, formulation, supply and use(MFSU) if coatings (Paints, Varnishes and Vitreous enamels), Adhesives, sealants and printing inks</i>
<i>08 01 00</i>	<i>wastes from MFSU and removal of paint and varnish</i>
<i>08 01 13*</i>	<i>sludges from paint or varnish containing organic solvents or other dangerous substances</i>

14.0 - Transport information

14.1 - UN number

14.2 - UN proper shipping name

ADR	N/A
RID	N/A
IMDG	N/A

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008 (CLP)
- Water Base Metallic Ink

Daemyung Chemical Industry (Shanghai) Co.,LTD

14.3 - Transprot hazard class(es)

ADR-Class	N/A
(Labels ; classification code ; hazard identification number ; tunnel restriction code)	N/A
RID-Class	N/A
(Labels ; classification code ; hazard identification number)	N/A
IMDG-Class	N/A
(Labels ; EmS)	N/A

14.4 Packing group

ADR	N/A
RID	N/A
IMDG	N/A

14.5 - Environmental hazards

Labelling according to 5.2.1.8 ADR	N/A
Labelling according to 5.2.1.8 ADR	N/A
Labelling according to 5.2.1.8 ADR	N/A
Classification as environmentally hazardous according to 2.9.3 IMDG	N/A
Classified as 'P' according to 2.10 IMDG	N/A

14.6 - Special precautions for user

No information available.

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

IMDG	-
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15.0 - Regulatory information

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

No information available.

15.2 - Chemical safety Assessment

No information available.

16.0 - Other information

16.1 - Full text of R-phrases referred to under Sections 2 and 3

Risk Phrase	

16.2 - Full text of H-statements referred to under Sections 2 and 3

Hazardous statement	

16.3 - Further information

The information provided in this safety data sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this safety data sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.