

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : GLASSFLO 785 PART A  
UFI : 9R20-20S5-T006-K9N8

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use, Industrial use  
Industrial/Professional use spec : Industrial  
For professional use only

##### 1.2.2. Uses advised against

No additional information available

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

##### Manufacturer

ROCOL a division of ITW Ltd  
Rocol House  
Wakefield Rd, Swillington  
LS26 8BS Leeds - United Kingdom  
T +44 (0)113 232 2600  
[customer.service@rocol.com](mailto:customer.service@rocol.com) - [www.rocol.com](http://www.rocol.com)

#### 1.4. Emergency telephone number

Emergency number : +44 (0)113 232 2600

| Country        | Organisation/Company   | Address                           | Emergency number | Comment |
|----------------|--|-----------------------------------|------------------|---------|
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH Birmingham | 0344 892 0111    |         |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Skin sensitisation, Category 1 H317  
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411  
Full text of H statements : see section 16

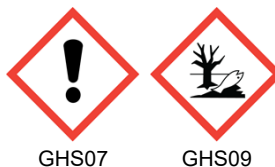
##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



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|                                |  |
|--------------------------------|--|
| Signal word (CLP)              | : Warning  |
| Contains                       | : BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}  |
| Hazard statements (CLP)        | : H315 - Causes skin irritation.<br>H317 - May cause an allergic skin reaction.<br>H319 - Causes serious eye irritation.<br>H411 - Toxic to aquatic life with long lasting effects.  |
| Precautionary statements (CLP) | : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P264 - Wash hands, forearms and face thoroughly after handling.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.<br>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.<br>P337+P313 - If eye irritation persists: Get medical advice/attention.<br>P362+P364 - Take off contaminated clothing and wash it before reuse.<br>P391 - Collect spillage. |

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier   | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|--|---------|---|
| BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} | (CAS-No.) 25068-38-6<br>(EC-No.) 500-033-5<br>(EC Index-No.) 603-074-00-8<br>(REACH-no) 01-2119456619-26 | 30 – 50 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>STOT RE 2, H373<br>Aquatic Chronic 2, H411 |
| Phenol-Formaldehyde polymer glycidyl ether      | (CAS-No.) 28064-14-4<br>(EC-No.) 608-164-0   | 15 – 50 | Aquatic Chronic 4, H413   |

### Specific concentration limits:

| Name  | Product identifier   | Specific concentration limits   |
|---|--|---|
| BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} | (CAS-No.) 25068-38-6<br>(EC-No.) 500-033-5<br>(EC Index-No.) 603-074-00-8<br>(REACH-no) 01-2119456619-26 | ( 5 ≤C ≤ 100) Eye Irrit. 2, H319<br>( 5 ≤C ≤ 100) Skin Irrit. 2, H315 |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).   |
| First-aid measures after inhalation   | : Allow affected person to breathe fresh air. Allow the victim to rest.   |
| First-aid measures after skin contact | : Wash with plenty of water/... If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Specific treatment (see supplemental first aid instruction on this label). If skin irritation or rash occurs: |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.  |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : May cause an allergic skin reaction. |
| Symptoms/effects after skin contact | : Causes skin irritation.              |
| Symptoms/effects after eye contact  | : Causes serious eye irritation.       |

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

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

No additional information available

### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.   |

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

|                      |                                   |
|----------------------|-----------------------------------|
| Emergency procedures | : Evacuate unnecessary personnel. |
|----------------------|-----------------------------------|

#### 6.1.2. For emergency responders

|                      |  |
|----------------------|--|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area.                            |

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

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

|                         |  |
|-------------------------|--|
| Methods for cleaning up | : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |
|-------------------------|--|

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |  |
|-------------------------------|--|
| Precautions for safe handling | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray. |
| Hygiene measures              | : Wash hands, forearms and face thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.   |

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

|                    |  |
|--------------------|--|
| Storage conditions | : Store in original container. Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from : |
|--------------------|--|

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Incompatible products : Strong bases. Strong acids.  
Incompatible materials : Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Avoid all unnecessary exposure.

##### 8.2.2.1. Eye and face protection

###### Eye protection:

Chemical goggles or safety glasses

##### 8.2.2.2. Skin protection

###### Skin and body protection:

Wear suitable protective clothing

###### Hand protection:

Wear protective gloves.

##### 8.2.2.3. Respiratory protection

###### Respiratory protection:

Not required for normal conditions of use. Wear appropriate mask

##### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Other information:

Do not eat, drink or smoke during use.

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### SECTION 9: Physical and chemical properties

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

|   |                         |
|---|-------------------------|
| Physical state                                  | : Liquid                |
| Colour  | : Black.                |
| Odour   | : Characteristic odour. |
| Odour threshold                                 | : No data available     |
| pH  | : No data available     |
| Relative evaporation rate (butylacetate=1)      | : No data available     |
| Melting point                                   | : No data available     |
| Freezing point                                  | : No data available     |
| Boiling point                                   | : No data available     |
| Flash point                                     | : > 100 °C              |
| Auto-ignition temperature                       | : > 200 °C              |
| Decomposition temperature                       | : No data available     |
| Flammability (solid, gas)                       | : Non flammable.        |
| Vapour pressure                                 | : No data available     |
| Relative vapour density at 20 °C                | : No data available     |
| Relative density                                | : > 1                   |
| Solubility                                      | : insoluble in water.   |
| Partition coefficient n-octanol/water (Log Pow) | : No data available     |
| Viscosity, kinematic                            | : No data available     |
| Viscosity, dynamic                              | : No data available     |
| Explosive properties                            | : No data available     |
| Oxidising properties                            | : No data available     |
| Explosive limits                                | : No data available     |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions. Not established.

#### 10.3. Possibility of hazardous reactions

Stable under normal conditions of use. Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

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| <b>BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} (25068-38-6)</b> |  |
|---|--|
| LD50 oral rat   | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)               |
| LD50 dermal rat   | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)) |

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | : Causes skin irritation.  |
| Serious eye damage/irritation     | : Causes serious eye irritation.                                   |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction.                             |
| Germ cell mutagenicity            | : Not classified   |
| Additional information            | : Based on available data, the classification criteria are not met |
| Carcinogenicity                   | : Not classified   |
| Additional information            | : Based on available data, the classification criteria are not met |

| <b>BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} (25068-38-6)</b> |   |
|---|---|
| NOAEL (chronic, oral, animal/male, 2 years)                         | 15 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:MITI, Japanese ministry of international trade and industry, February 1998, Remarks on results: other:Effect type: toxicity (migrated information)    |
| NOAEL (chronic, oral, animal/female, 2 years)                       | 100 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:MITI, Japanese ministry of international trade and industry, February 1998, Remarks on results: other:Effect type: toxicity (migrated information) |

|                        |  |
|------------------------|--|
| Reproductive toxicity  | : Not classified   |
| Additional information | : Based on available data, the classification criteria are not met |

|                        |  |
|------------------------|--|
| STOT-single exposure   | : Not classified   |
| Additional information | : Based on available data, the classification criteria are not met |

|                        |  |
|------------------------|--|
| STOT-repeated exposure | : Not classified   |
| Additional information | : Based on available data, the classification criteria are not met |

| <b>BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} (25068-38-6)</b> |   |
|---|---|
| NOAEL (oral, rat, 90 days)  | 50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:japanese MITI guidelines for toxicity testing of chemicals |
| STOT-repeated exposure  | May cause damage to organs through prolonged or repeated exposure.  |

|                        |  |
|------------------------|--|
| Aspiration hazard      | : Not classified   |
| Additional information | : Based on available data, the classification criteria are not met |

|   |  |
|---|--|
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met |
|---|--|

## SECTION 12: Ecological information

### 12.1. Toxicity

|  |  |
|--|--|
| Ecology - water  | : Toxic to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified                                   |

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Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

| <b>BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} (25068-38-6)</b> |   |
|---|---|
| LC50 - Fish [1]   | 1.2 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 72h - Algae [1]  | 9.4 mg/l Test organisms (species): Scenedesmus capricornutum                            |
| EC50 72h - Algae [2]  | > 11 mg/l Test organisms (species): Scenedesmus capricornutum                           |
| LOEC (chronic)  | 1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                         |
| NOEC (chronic)  | 0.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                       |

### 12.2. Persistence and degradability

| <b>GLASSFLO 785 PART A</b>    |   |
|-------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

### 12.3. Bioaccumulative potential

| <b>GLASSFLO 785 PART A</b> |                  |
|----------------------------|------------------|
| Bioaccumulative potential  | Not established. |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| <b>ADR</b>  | <b>IMDG</b>   | <b>IATA</b>   | <b>ADN</b>  | <b>RID</b>  |
|---|---|---|---|---|
| <b>14.1. UN number</b>                              |   |   |   |   |
| UN 3082   | UN 3082   | UN 3082   | UN 3082   | UN 3082   |
| <b>14.2. UN proper shipping name</b>                |   |   |   |   |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. | Environmentally hazardous substance, liquid, n.o.s. | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |

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| Transport document description   |  |  |   |   |
|--|--|--|---|---|
| UN 3082<br>ENVIRONMENTALLY<br>HAZARDOUS<br>SUBSTANCE, LIQUID,<br>N.O.S. (BISPHENOL A-<br>(EPICHLORHYDRIN)<br>{REACTION PRODUCT}),<br>9, III, (-) | UN 3082<br>ENVIRONMENTALLY<br>HAZARDOUS<br>SUBSTANCE, LIQUID,<br>N.O.S. (BISPHENOL A-<br>(EPICHLORHYDRIN)<br>{REACTION PRODUCT}),<br>9, III, MARINE<br>POLLUTANT | UN 3082 Environmentally<br>hazardous substance,<br>liquid, n.o.s. (BISPHENOL<br>A-(EPICHLORHYDRIN)<br>{REACTION PRODUCT}),<br>9, III | UN 3082<br>ENVIRONMENTALLY<br>HAZARDOUS<br>SUBSTANCE, LIQUID,<br>N.O.S. (BISPHENOL A-<br>(EPICHLORHYDRIN)<br>{REACTION PRODUCT}),<br>9, III | UN 3082<br>ENVIRONMENTALLY<br>HAZARDOUS<br>SUBSTANCE, LIQUID,<br>N.O.S. (BISPHENOL A-<br>(EPICHLORHYDRIN)<br>{REACTION PRODUCT}),<br>9, III |
| 14.3. Transport hazard class(es)   |  |  |   |   |
| 9  | 9  | 9  | 9   | 9   |
|  |  |  |   |   |
| 14.4. Packing group  |  |  |   |   |
| III  | III  | III  | III   | III   |
| 14.5. Environmental hazards  |  |  |   |   |
| Dangerous for the<br>environment : Yes   | Dangerous for the<br>environment : Yes<br>Marine pollutant : Yes   | Dangerous for the<br>environment : Yes   | Dangerous for the<br>environment : Yes  | Dangerous for the<br>environment : Yes  |
| No supplementary information available   |  |  |   |   |

### 14.6. Special precautions for user

#### Overland transport

|   |                           |
|---|---------------------------|
| Classification code (ADR)   | : M6                      |
| Special provisions (ADR)  | : 274, 335, 375, 601      |
| Limited quantities (ADR)  | : 5I                      |
| Excepted quantities (ADR)   | : E1                      |
| Packing instructions (ADR)  | : P001, IBC03, LP01, R001 |
| Special packing provisions (ADR)  | : PP1                     |
| Mixed packing provisions (ADR)  | : MP19                    |
| Portable tank and bulk container instructions (ADR)                     | : T4                      |
| Portable tank and bulk container special provisions (ADR)               | : TP1, TP29               |
| Tank code (ADR)   | : LGBV                    |
| Vehicle for tank carriage   | : AT                      |
| Transport category (ADR)  | : 3                       |
| Special provisions for carriage - Packages (ADR)                        | : V12                     |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13                    |
| Hazard identification number (Kemler No.)                               | : 90                      |
| Orange plates   | :                         |

|                               |       |
|-------------------------------|-------|
| Tunnel restriction code (ADR) | : -   |
| EAC code                      | : •3Z |

#### Transport by sea

|                                   |                 |
|-----------------------------------|-----------------|
| Special provisions (IMDG)         | : 274, 335, 969 |
| Limited quantities (IMDG)         | : 5 L           |
| Excepted quantities (IMDG)        | : E1            |
| Packing instructions (IMDG)       | : LP01, P001    |
| Special packing provisions (IMDG) | : PP1           |



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|  |                   |
|--|-------------------|
| IBC packing instructions (IMDG)              | : IBC03           |
| Tank instructions (IMDG)                     | : T4              |
| Tank special provisions (IMDG)               | : TP1, TP29       |
| EmS-No. (Fire)                               | : F-A             |
| EmS-No. (Spillage)                           | : S-F             |
| Stowage category (IMDG)                      | : A               |
| <b>Air transport</b>                         |                   |
| PCA Excepted quantities (IATA)               | : E1              |
| PCA Limited quantities (IATA)                | : Y964            |
| PCA limited quantity max net quantity (IATA) | : 30kgG           |
| PCA packing instructions (IATA)              | : 964             |
| PCA max net quantity (IATA)                  | : 450L            |
| CAO packing instructions (IATA)              | : 964             |
| CAO max net quantity (IATA)                  | : 450L            |
| Special provisions (IATA)                    | : A97, A158, A197 |
| ERG code (IATA)                              | : 9L              |

### Inland waterway transport

|                                   |                      |
|-----------------------------------|----------------------|
| Classification code (ADN)         | : M6                 |
| Special provisions (ADN)          | : 274, 335, 375, 601 |
| Limited quantities (ADN)          | : 5 L                |
| Excepted quantities (ADN)         | : E1                 |
| Equipment required (ADN)          | : PP                 |
| Number of blue cones/lights (ADN) | : 0                  |

### Rail transport

|   |                           |
|---|---------------------------|
| Classification code (RID)   | : M6                      |
| Special provisions (RID)  | : 274, 335, 375, 601      |
| Limited quantities (RID)  | : 5L                      |
| Excepted quantities (RID)   | : E1                      |
| Packing instructions (RID)  | : P001, IBC03, LP01, R001 |
| Special packing provisions (RID)  | : PP1                     |
| Mixed packing provisions (RID)  | : MP19                    |
| Portable tank and bulk container instructions (RID)                     | : T4                      |
| Portable tank and bulk container special provisions (RID)               | : TP1, TP29               |
| Tank codes for RID tanks (RID)  | : LGBV                    |
| Transport category (RID)  | : 3                       |
| Special provisions for carriage – Packages (RID)                        | : W12                     |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW13, CW31              |
| Colis express (express parcels) (RID)                                   | : CE8                     |
| Hazard identification number (RID)                                      | : 90                      |

## 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

No additional information available

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### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

#### Full text of H- and EUH-statements:

|                   |  |
|-------------------|--|
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2  |
| Aquatic Chronic 4 | Hazardous to the aquatic environment — Chronic Hazard, Category 4  |
| Eye Irrit. 2      | Serious eye damage/eye irritation, Category 2                      |
| Skin Irrit. 2     | Skin corrosion/irritation, Category 2                              |
| Skin Sens. 1      | Skin sensitisation, Category 1                                     |
| STOT RE 2         | Specific target organ toxicity — Repeated exposure, Category 2     |
| H315              | Causes skin irritation.  |
| H317              | May cause an allergic skin reaction.                               |
| H319              | Causes serious eye irritation.                                     |
| H373              | May cause damage to organs through prolonged or repeated exposure. |
| H411              | Toxic to aquatic life with long lasting effects.                   |
| H413              | May cause long lasting harmful effects to aquatic life.            |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : GLASSFLO 785 PART B  
UFI : V3K0-P0A7-M00S-YDXT

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Industrial/Professional use spec : Industrial  
For professional use only

##### 1.2.2. Uses advised against

No additional information available

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

##### Manufacturer

ROCOL a division of ITW Ltd  
Rocol House  
Wakefield Rd, Swillington  
LS26 8BS Leeds - United Kingdom  
T +44 (0)113 232 2600  
[customer.service@rocol.com](mailto:customer.service@rocol.com) - [www.rocol.com](http://www.rocol.com)

#### 1.4. Emergency telephone number

Emergency number : +44 (0)113 232 2600

| Country        | Organisation/Company   | Address                           | Emergency number | Comment |
|----------------|--|-----------------------------------|------------------|---------|
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH Birmingham | 0344 892 0111    |         |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4 H302  
Skin corrosion/irritation, Category 1, Sub-Category 1B H314  
Skin sensitisation, Category 1 H317  
Specific target organ toxicity — Repeated exposure, Category 2 H373  
Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



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|                                |  |
|--------------------------------|--|
| Signal word (CLP)              | : Danger   |
| Contains                       | : 2,2'-IMINODIETHYLAMINE   |
| Hazard statements (CLP)        | : H302 - Harmful if swallowed.<br>H314 - Causes severe skin burns and eye damage.<br>H317 - May cause an allergic skin reaction.<br>H373 - May cause damage to organs through prolonged or repeated exposure.  |
| Precautionary statements (CLP) | : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P264 - Wash hands thoroughly after handling.<br>P280 - Wear protective gloves, protective clothing, eye protection, face protection.<br>P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. |

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                   | Product identifier   | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|------------------------|--|---------|--|
| 2,2'-IMINODIETHYLAMINE | CAS-No.: 111-40-0<br>EC-No.: 203-865-4<br>EC Index-No.: 612-058-00-X | 30 – 50 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>STOT RE 2, H373 |

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.  |
| First-aid measures after skin contact | : Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor. Wash with plenty of water/... If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Call a POISON CENTER/doctor if you feel unwell.  |

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

|                                    |  |
|------------------------------------|--|
| Symptoms/effects                   | : Causes severe skin burns and eye damage.   |
| Symptoms/effects after inhalation  | : May cause an allergic skin reaction.   |
| Symptoms/effects after eye contact | : Causes serious eye damage.   |
| Symptoms/effects after ingestion   | : Swallowing a small quantity of this material will result in serious health hazard. |

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### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.  
Unsuitable extinguishing media : Do not use a heavy water stream.

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

No additional information available

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact during pregnancy/while nursing. Avoid breathing dust/fume/gas/mist/vapours/spray.  
Hygiene measures : Wash hands, forearms and face thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

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

Technical measures : Comply with applicable regulations.  
Storage conditions : Keep container closed when not in use. Keep only in original container.  
Incompatible products : Strong bases. Strong acids.  
Incompatible materials : Sources of ignition. Direct sunlight.

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### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Avoid all unnecessary exposure.

##### 8.2.2.1. Eye and face protection

###### Eye protection:

Chemical goggles or face shield

##### 8.2.2.2. Skin protection

###### Skin and body protection:

Wear suitable protective clothing

###### Hand protection:

Wear protective gloves. Protective gloves made of PVC

##### 8.2.2.3. Respiratory protection

###### Respiratory protection:

Wear a respirator conforming to EN140 with Type A filter or better. In case of inadequate ventilation wear respiratory protection.

##### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

|                 |                     |
|-----------------|---------------------|
| Physical state  | : Liquid            |
| Colour          | : Yellow.           |
| Odour           | : Ammoniacal.       |
| Odour threshold | : No data available |

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|   |                     |
|---|---------------------|
| pH  | : <7                |
| Relative evaporation rate (butylacetate=1)      | : No data available |
| Melting point                                   | : No data available |
| Freezing point                                  | : No data available |
| Boiling point                                   | : > 190 °C          |
| Flash point                                     | : 100 °C            |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Flammability (solid, gas)                       | : Non flammable.    |
| Vapour pressure                                 | : No data available |
| Relative vapour density at 20 °C                | : <1.0mm Hg at 21C  |
| Relative density                                | : 1,09              |
| Solubility                                      | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic                            | : No data available |
| Viscosity, dynamic                              | : No data available |
| Explosive properties                            | : No data available |
| Oxidising properties                            | : No data available |
| Explosive limits                                | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Corrosive vapours.

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                         |
|-----------------------------|-------------------------|
| Acute toxicity (oral)       | : Harmful if swallowed. |
| Acute toxicity (dermal)     | : Not classified        |
| Acute toxicity (inhalation) | : Not classified        |

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|                |                           |
|----------------|---------------------------|
| ATE CLP (oral) | 1666.667 mg/kg bodyweight |
|----------------|---------------------------|

Skin corrosion/irritation : Causes severe skin burns.

pH: <7

Serious eye damage/irritation : Assumed to cause serious eye damage

pH: <7

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|                                   |  |
|-----------------------------------|--|
| Respiratory or skin sensitisation | : May cause an allergic skin reaction.                               |
| Germ cell mutagenicity            | : Not classified   |
| Additional information            | : Based on available data, the classification criteria are not met   |
| Carcinogenicity                   | : Not classified   |
| Additional information            | : Based on available data, the classification criteria are not met   |
| Reproductive toxicity             | : Not classified   |
| Additional information            | : Based on available data, the classification criteria are not met   |
| STOT-single exposure              | : Not classified   |
| Additional information            | : Based on available data, the classification criteria are not met   |
| STOT-repeated exposure            | : May cause damage to organs through prolonged or repeated exposure. |

### 2,2'-IMINODIETHYLAMINE (111-40-0)

|                            |   |
|----------------------------|---|
| LOAEL (oral, rat, 90 days) | 530 – 620 mg/kg bodyweight Animal: rat, Guideline: other:OECD Guideline for Testing of Chemicals, No. 451, May 12, 1981 |
| NOAEL (oral, rat, 90 days) | 70 – 80 mg/kg bodyweight Animal: rat, Guideline: other:OECD Guideline for Testing of Chemicals, No. 451, May 12, 1981   |
| STOT-repeated exposure     | May cause damage to organs through prolonged or repeated exposure.  |

|   |  |
|---|--|
| Aspiration hazard                                   | : Not classified   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| Potential adverse human health effects and symptoms | : Harmful if swallowed.  |

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |                  |
|---|------------------|
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

### 2,2'-IMINODIETHYLAMINE (111-40-0)

|                      |   |
|----------------------|---|
| LC50 - Fish [1]      | 0.43 g/l Test organisms (species): Poecilia reticulata                      |
| EC50 - Crustacea [1] | 64.6 mg/l Test organisms (species): Daphnia magna                           |
| EC50 - Crustacea [2] | 16 mg/l Test organisms (species): Daphnia magna                             |
| LOEC (chronic)       | 11.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'          |
| NOEC (chronic)       | 5.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d'           |
| NOEC chronic fish    | > 10 mg/l Test organisms (species): Gasterosteus aculeatus Duration: '28 d' |

### 12.2. Persistence and degradability

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|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

### 12.3. Bioaccumulative potential

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|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available



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### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations






### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR   | IMDG  | IATA  | ADN   | RID   |
|---|---|---|---|---|
| <b>14.1. UN number</b>  |   |   |   |   |
| UN 2735   | UN 2735   | UN 2735   | UN 2735   | UN 2735   |
| <b>14.2. UN proper shipping name</b>  |   |   |   |   |
| AMINES, LIQUID, CORROSIVE, N.O.S.   | AMINES, LIQUID, CORROSIVE, N.O.S.   | Amines, liquid, corrosive, n.o.s.   | AMINES, LIQUID, CORROSIVE, N.O.S.   | AMINES, LIQUID, CORROSIVE, N.O.S.   |
| <b>Transport document description</b>   |   |   |   |   |
| UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (2,2'-IMINODIETHYLAMINE), 8, III, (E)     | UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (2,2'-IMINODIETHYLAMINE), 8, III          | UN 2735 Amines, liquid, corrosive, n.o.s. (2,2'-IMINODIETHYLAMINE), 8, III          | UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (2,2'-IMINODIETHYLAMINE), 8, III            | UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (2,2'-IMINODIETHYLAMINE), 8, III            |
| <b>14.3. Transport hazard class(es)</b>   |   |   |   |   |
| 8   | 8   | 8   | 8   | 8   |
|  |  |  |  |  |
| <b>14.4. Packing group</b>  |   |   |   |   |
| III   | III   | III   | III   | III   |
| <b>14.5. Environmental hazards</b>  |   |   |   |   |
| Dangerous for the environment: No   | Dangerous for the environment: No<br>Marine pollutant: No                           | Dangerous for the environment: No   | Dangerous for the environment: No   | Dangerous for the environment: No   |
| No supplementary information available  |   |   |   |   |

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : C7  
Special provisions (ADR) : 274  
Limited quantities (ADR) : 5I  
Excepted quantities (ADR) : E1  
Packing instructions (ADR) : P001, IBC03, LP01, R001  
Mixed packing provisions (ADR) : MP19  
Portable tank and bulk container instructions (ADR) : T7

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Portable tank and bulk container special provisions (ADR) : TP1, TP28

Tank code (ADR) : L4BN

Vehicle for tank carriage : AT

Transport category (ADR) : 3

Special provisions for carriage - Packages (ADR) : V12

Hazard identification number (Kemler No.) : 80

Orange plates :



Tunnel restriction code (ADR) : E

EAC code : 2X

APP code : B

### Transport by sea

Special provisions (IMDG) : 223, 274

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : P001, LP01

IBC packing instructions (IMDG) : IBC03

Tank instructions (IMDG) : T7

Tank special provisions (IMDG) : TP1, TP28

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-B

Stowage category (IMDG) : A

Segregation (IMDG) : SGG18, SG35

Properties and observations (IMDG) : Colourless to yellowish liquids or solutions with a pungent odour. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. Reacts violently with acids. Cause burns to skin, eyes and mucous membranes.

### Air transport

PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y841

PCA limited quantity max net quantity (IATA) : 1L

PCA packing instructions (IATA) : 852

PCA max net quantity (IATA) : 5L

CAO packing instructions (IATA) : 856

CAO max net quantity (IATA) : 60L

Special provisions (IATA) : A3, A803

ERG code (IATA) : 8L

### Inland waterway transport

Classification code (ADN) : C7

Special provisions (ADN) : 274

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Equipment required (ADN) : PP, EP

Number of blue cones/lights (ADN) : 0

### Rail transport

Classification code (RID) : C7

Special provisions (RID) : 274

Limited quantities (RID) : 5L

Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Mixed packing provisions (RID) : MP19

Portable tank and bulk container instructions (RID) : T7

Portable tank and bulk container special provisions (RID) : TP1, TP28

(RID)

Tank codes for RID tanks (RID) : L4BN

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Transport category (RID) : 3  
Special provisions for carriage – Packages (RID) : W12  
Colis express (express parcels) (RID) : CE8  
Hazard identification number (RID) : 80

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

### Full text of H- and EUH-statements

|                       |  |
|-----------------------|--|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4                                |
| Acute Tox. 4 (Oral)   | Acute toxicity (oral), Category 4                                  |
| Eye Dam. 1            | Serious eye damage/eye irritation, Category 1                      |
| Skin Corr. 1B         | Skin corrosion/irritation, Category 1, Sub-Category 1B             |
| Skin Sens. 1          | Skin sensitisation, Category 1                                     |
| STOT RE 2             | Specific target organ toxicity — Repeated exposure, Category 2     |
| H302                  | Harmful if swallowed.  |
| H312                  | Harmful in contact with skin.                                      |
| H314                  | Causes severe skin burns and eye damage.                           |
| H317                  | May cause an allergic skin reaction.                               |
| H318                  | Causes serious eye damage.   |
| H373                  | May cause damage to organs through prolonged or repeated exposure. |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.