



## SAFETY DATA SHEET

### Janitol Lo-Foam

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

##### 1.1. Product identifier

**Product name** Janitol Lo-Foam  
**Product number** JLF60E,JLF60ERS,JLF76P

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

**Identified uses** Detergent. . For full details regarding recommended uses please refer to the product label.

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

**Supplier** Deb Ltd  
 Denby Hall Way  
 Denby  
 Derbyshire  
 DE5 8JZ  
 Main Tel. 01773 855100  
 Technical Tel 01773 855105  
 reach@deb.co.uk

##### 1.4. Emergency telephone number

**Emergency telephone** National Poisons Information Service (UK) 0844 8920111

#### SECTION 2: Hazards identification

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

###### Classification

**Physical hazards** Not Classified  
**Health hazards** Skin Irrit. 2 - H315 Eye Dam. 1 - H318  
**Environmental hazards** Not Classified

**Classification (67/548/EEC or 1999/45/EC)** Xi;R36.

**Environmental** The product does not meet the requirement for classification as an environmental hazard in accordance with directive 1999/45/EEC

##### 2.2. Label elements

###### Pictogram



**Signal word** Danger

## Janitol Lo-Foam

|   |  |
|---|--|
| <b>Hazard statements</b>                      | H315 Causes skin irritation.<br>H318 Causes serious eye damage.  |
| <b>Precautionary statements</b>               | P264 Wash contaminated skin thoroughly after handling.<br>P280 Wear protective gloves/protective clothing/eye protection/face protection.<br>P302+P352 IF ON SKIN: Wash with plenty of water.<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>P332+P313 If skin irritation occurs: Get medical advice/attention.<br>P337+P313 If eye irritation persists: Get medical advice/attention.<br>P501 Dispose of contents/container in accordance with national regulations. |
| <b>Contains</b>                               | TETRAPOTASSIUM PYROPHOSPHATE, 2-AMINOETHANOL, SODIUM METASILICATE, TETRASODIUM ETHYLENE DIAMINE TETRAACETATE   |
| <b>Supplementary precautionary statements</b> | P362+P364 Take off contaminated clothing and wash it before reuse.   |

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

|   |  |  |
|---|--|--|
| <b>TETRAPOTASSIUM PYROPHOSPHATE</b> <span style="float: right;"><b>1-5%</b></span>  |  |  |
| CAS number: 7320-34-5   | EC number: 230-785-7   | REACH registration number: 01-2119489369-18-xxxx |
| <b>Classification</b><br>Eye Irrit. 2 - H319  | <b>Classification (67/548/EEC or 1999/45/EC)</b><br>Xi;R36.            |  |
| <b>2-AMINOETHANOL</b> <span style="float: right;"><b>1-5%</b></span>  |  |  |
| CAS number: 141-43-5  | EC number: 205-483-3   | REACH registration number: 01-2119486455-28      |
| <b>Classification</b><br>Acute Tox. 4 - H302<br>Acute Tox. 4 - H312<br>Acute Tox. 4 - H332<br>Skin Corr. 1B - H314<br>Eye Dam. 1 - H318<br>STOT SE 3 - H335<br>Aquatic Chronic 3 - H412 | <b>Classification (67/548/EEC or 1999/45/EC)</b><br>C;R34 Xn;R20/21/22 |  |
| <b>SODIUM METASILICATE</b> <span style="float: right;"><b>1-5%</b></span>   |  |  |
| CAS number: 6834-92-0   | EC number: 229-912-9   | REACH registration number: 01-2119449811-37-XXXX |
| <b>Classification</b><br>Skin Corr. 1B - H314<br>STOT SE 3 - H335<br>Eye Dam. 1 - H318  | <b>Classification (67/548/EEC or 1999/45/EC)</b><br>C;R34. Xi;R37.     |  |

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|  |                      |  |               |
|--|----------------------|--|---------------|
| <b>TETRASODIUM ETHYLENE DIAMINE TETRAACETATE</b> |                      |  | <b>1-5%</b>   |
| CAS number: 64-02-8                              | EC number: 200-573-9 | REACH registration number: 01-2119486762-27-XXXX |               |
| <b>Classification</b>                            |                      | <b>Classification (67/548/EEC or 1999/45/EC)</b> |               |
| Acute Tox. 4 - H302                              |                      | Xn;R22 Xi;R41                                    |               |
| Eye Dam. 1 - H318                                |                      |  |               |
| <b>TRISODIUM NITRILOTRIACETATE</b>               |                      |  | <b>&lt;1%</b> |
| CAS number: 5064-31-3                            | EC number: 225-768-6 | REACH registration number: 01-2119519239-36-XXXX |               |
| <b>Classification</b>                            |                      | <b>Classification (67/548/EEC or 1999/45/EC)</b> |               |
| Acute Tox. 4 - H302                              |                      | Carc. Cat. 3;R40 Xn;R22 Xi;R36                   |               |
| Eye Irrit. 2 - H319                              |                      |  |               |
| Carc. 2 - H351                                   |                      |  |               |
| <b>SODIUM HYDROXIDE</b>                          |                      |  | <b>&lt;1%</b> |
| CAS number: 1310-73-2                            | EC number: 215-185-5 | REACH registration number: 01-2119457892-27-XXXX |               |
| <b>Classification</b>                            |                      | <b>Classification (67/548/EEC or 1999/45/EC)</b> |               |
| Met. Corr. 1 - H290                              |                      | C;R35  |               |
| Skin Corr. 1A - H314                             |                      |  |               |
| Eye Dam. 1 - H318                                |                      |  |               |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Not relevant. Unlikely route of exposure as the product does not contain volatile substances.  |
| <b>Ingestion</b>    | Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.  |
| <b>Skin contact</b> | Not applicable.  |
| <b>Eye contact</b>  | Remove any contact lenses and open eyelids wide apart. Important! Immediately rinse with water for at least 15 minutes. Get medical attention if any discomfort continues. |

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

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | No specific symptoms known.              |
| <b>Ingestion</b>    | No specific symptoms known.              |
| <b>Skin contact</b> | This product is moderately irritating.   |
| <b>Eye contact</b>  | Irritation of eyes and mucous membranes. |

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

|                             |                              |
|-----------------------------|------------------------------|
| <b>Notes for the doctor</b> | No specific recommendations. |
|-----------------------------|------------------------------|

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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

**Hazardous combustion products** No known hazardous decomposition products.

### 5.3. Advice for firefighters

**Protective actions during firefighting** No specific firefighting precautions known.

## SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with eyes.

### 6.2. Environmental precautions

**Environmental precautions** Not considered to be a significant hazard due to the small quantities used.

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

**Methods for cleaning up** Flush away spillage with plenty of water. Avoid contamination of ponds or watercourses with washing down water. Absorb spillage with non-combustible, absorbent material. Do not discharge into drains or watercourses or onto the ground.

### 6.4. Reference to other sections

**Reference to other sections** For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid contact with eyes.

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

**Storage precautions** Store in closed original container at temperatures between 0°C and 30°C.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### **2-AMINOETHANOL**

Long-term exposure limit (8-hour TWA): WEL 1 ppm 2.5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 3 ppm 7.6 mg/m<sup>3</sup>

Sk

#### **SODIUM HYDROXIDE**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

**Ingredient comments** None.

### TETRAPOTASSIUM PYROPHOSPHATE (CAS: 7320-34-5)

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**DNEL** Professional - Inhalation; Long term systemic effects: 44.08 mg/m<sup>3</sup>  
Consumer - Inhalation; Long term systemic effects: 10.87 mg/m<sup>3</sup>

**PNEC** - Marine water; 0.005 mg/l  
- Fresh water; 0.5 mg/l  
- STP; 50 mg/l  
- Fresh water; 0.05 mg/l

### 2-AMINOETHANOL (CAS: 141-43-5)

**DNEL** Industry - Dermal; Long term systemic effects: 1 mg/kg/day  
Industry - Inhalation; Long term systemic effects: 3.3 mg/m<sup>3</sup>  
Industry - Inhalation; Long term local effects: 3.3 mg/m<sup>3</sup>  
Consumer - Dermal; Long term systemic effects: 0.24 mg/kg/day  
Consumer - Inhalation; Long term systemic effects: 2 mg/m<sup>3</sup>  
Consumer - Inhalation; Long term : 2 mg/m<sup>3</sup>  
Consumer - Oral; Long term systemic effects: 3.75 mg/kg/day

**PNEC** - Soil; 0.035 mg/kg  
- STP; 100 mg/l  
- Fresh water; 0.085 mg/l  
- Marine water; 0.0085 mg/l  
- Intermittent release; 0.025 mg/l  
- Sediment (Freshwater); 0.425 mg/kg  
- Sediment (Marinewater); 0.0425 mg/kg

### SODIUM METASILICATE (CAS: 6834-92-0)

**DNEL** Workers - Inhalation; Long term systemic effects: 6.22 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 1.49 mg/kg/day  
General population - Inhalation; Long term systemic effects: 1.55 mg/m<sup>3</sup>  
General population - Dermal; Long term systemic effects: 0.74 mg/kg/day  
General population - Oral; Long term systemic effects: 0.74 mg/kg/day

**PNEC** - Fresh water; 7.5 mg/l  
- Marine water; 1 mg/l  
- STP; 1000 mg/l

### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

**DNEL** Consumer - Oral; Long term systemic effects: 28 mg/kg/day  
Professional - Inhalation; Short term systemic effects: 2.8 mg/m<sup>3</sup>  
Professional - Inhalation; Long term local effects: 2.5 mg/m<sup>3</sup>  
Consumer - Inhalation; Short term systemic effects: 1.5 mg/m<sup>3</sup>  
Professional - Inhalation; Long term systemic effects: 2.5 mg/m<sup>3</sup>  
Consumer - Inhalation; Long term local effects: 1.5 mg/m<sup>3</sup>  
Professional - Inhalation; Short term systemic effects: 2.5 mg/m<sup>3</sup>  
Professional - Inhalation; Short term local effects: 2.5 mg/m<sup>3</sup>

**PNEC** - Fresh water; 2.2 mg/l  
- Soil; 0.72 mg/kg  
- STP; 43 mg/l  
- Marine water; 0.22 mg/l  
- ; Intermittent release 1.2 mg/l

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### SODIUM HYDROXIDE (CAS: 1310-73-2)

**DNEL**

Industry - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

Consumer - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

#### 8.2. Exposure controls

##### Protective equipment



**Appropriate engineering controls**

Not relevant.

**Eye/face protection**

Not required normally but wear eye protection if you are conducting an operation where there is a risk of this product getting in the eyes.

**Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

**Hygiene measures**

Wash hands after contact.

**Respiratory protection**

Not relevant.

#### SECTION 9: Physical and Chemical Properties

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

|   |   |
|---|---|
| <b>Appearance</b>                                   | Liquid  |
| <b>Colour</b>                                       | Green.  |
| <b>Odour</b>  | Characteristic.   |
| <b>Odour threshold</b>                              | Not determined. Not determined.                             |
| <b>pH</b>   | Not determined.   |
| <b>Melting point</b>                                | Not determined.   |
| <b>Initial boiling point and range</b>              | Not determined.   |
| <b>Flash point</b>                                  | Not determined.   |
| <b>Evaporation rate</b>                             | Not determined.   |
| <b>Upper/lower flammability or explosive limits</b> | Scientifically unjustified. : : Scientifically unjustified. |
| <b>Vapour pressure</b>                              | Not determined.   |
| <b>Vapour density</b>                               | Not determined.   |
| <b>Relative density</b>                             | 1.04-1.06 @ 25 C°   |
| <b>Solubility(ies)</b>                              | Soluble in water.   |
| <b>Auto-ignition temperature</b>                    | Scientifically unjustified.                                 |
| <b>Decomposition Temperature</b>                    | Not determined.   |
| <b>Viscosity</b>                                    | Not determined.   |
| <b>Explosive properties</b>                         | Scientifically unjustified.                                 |

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**Oxidising properties** Does not meet the criteria for classification as oxidising.

### 9.2. Other information

**Other information** None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not known.

### 10.4. Conditions to avoid

**Conditions to avoid** There are no known conditions that are likely to result in a hazardous situation.

### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**ATE oral (mg/kg)** 12,165.45012165

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE dermal (mg/kg)** 36,666.66666667

#### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 43.33333333

#### Skin corrosion/irritation

**Animal data** Moderately irritating.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

#### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

**Genotoxicity - in vivo** Does not contain any substances known to be mutagenic.

#### Carcinogenicity

**Carcinogenicity** Does not contain any substances known to be carcinogenic.

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### Reproductive toxicity

**Reproductive toxicity - development** Does not contain any substances known to be toxic to reproduction.

### Specific target organ toxicity - single exposure

**STOT - single exposure** No information available.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** No information available.

### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

**Inhalation** No specific health hazards known.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Prolonged and frequent contact may cause redness and irritation.

**Eye contact** Irritating to eyes.

### Toxicological information on ingredients.

#### TETRAPOTASSIUM PYROPHOSPHATE

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2.0

**Species** Rabbit

##### Skin corrosion/irritation

**Animal data** Primary dermal irritation index: 0

##### Skin sensitisation

**Skin sensitisation** - Mouse: Not sensitising.

#### 2-AMINOETHANOL

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 1,515

**Species** Rat Rat

**ATE oral (mg/kg)** 1,515.0

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,504

**Species** Rabbit

**ATE dermal (mg/kg)** 1,100

##### Acute toxicity - inhalation



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|   |      |
|---|------|
| <b>Acute toxicity inhalation</b><br>(LC <sub>50</sub> vapours mg/l) | 1.3  |
| <b>Species</b>  | Rat  |
| <b>ATE inhalation (vapours</b><br>mg/l)                             | 11.0 |

### SODIUM METASILICATE

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD50 1152 1349 mg/kg bw Rat

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD50 > 5000 mg/kg bw Rat

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC50 > 2.06 mg/L air Rat

#### Skin corrosion/irritation

**Animal data** Primary dermal irritation index: 8

### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub>**  
mg/kg) 1,780

**Species** Rat Rat

**Notes (oral LD<sub>50</sub>)** LD50 > 1780 < 2000 mg/kg bw

**ATE oral (mg/kg)** 1,780.0

#### Acute toxicity - dermal

**Species** Rat

**ATE dermal (mg/kg)** 3,300.0

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LOAEC ca. 30 mg/m<sup>3</sup> air

**ATE inhalation (vapours**  
mg/l) 11.0

#### Skin corrosion/irritation

**Animal data** Based on available data the classification criteria are not met.

#### Serious eye damage/irritation

**Serious eye**  
**damage/irritation** H318

#### Respiratory sensitisation

**Respiratory sensitisation** : Based on available data the classification criteria are not met.

#### Skin sensitisation

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**Skin sensitisation** - : Conclusive data but not sufficient for classification.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Conclusive data but not sufficient for classification.

**Genotoxicity - in vivo** Conclusive data but not sufficient for classification.

### Carcinogenicity

**Carcinogenicity** Conclusive data but not sufficient for classification.

### Reproductive toxicity

**Reproductive toxicity - fertility** Conclusive data but not sufficient for classification.

**Reproductive toxicity - development** Conclusive data but not sufficient for classification.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Conclusive data but not sufficient for classification.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Conclusive data but not sufficient for classification.

## SECTION 12: Ecological Information

**Ecotoxicity** Not regarded as dangerous for the environment.

### 12.1. Toxicity

**Toxicity** The product does not meet the requirement for classification as an environmental hazard in accordance with directive 1999/45/EEC

### 12.2. Persistence and degradability

**Persistence and degradability** The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** When handling waste, the safety precautions applying to handling of the product should be considered.

## Janitol Lo-Foam

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. No specific disposal method required. Reuse or recycle products wherever possible.

### SECTION 14: Transport information

**Road transport notes** Not classified.

**Rail transport notes** Not classified.

**Sea transport notes** Not classified.

**Air transport notes** Not classified.

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

Not applicable.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78**

**and the IBC Code**

### SECTION 15: Regulatory information

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

##### **EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

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 (as amended).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

#### **Key literature references and sources for data**

Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for the uses identified in this data sheet or on the product label and the appropriate relevant information is incorporated into this Safety Data Sheet.

## Janitol Lo-Foam

|   |   |
|---|---|
| <b>Revision comments</b>                                    | Revision of information NOTE: Lines within the margin indicate significant changes from the previous revision.  |
| <b>Revision date</b>  | 12/05/2015  |
| <b>Revision</b>   | 4   |
| <b>Supersedes date</b>                                      | 30/01/2013  |
| <b>Risk phrases in full</b>                                 | R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.<br>R22 Harmful if swallowed.<br>R34 Causes burns.<br>R36 Irritating to eyes.<br>R37 Irritating to respiratory system.<br>R41 Risk of serious damage to eyes.  |
| <b>Hazard statements in full</b>                            | H302 Harmful if swallowed.<br>H312 Harmful in contact with skin.<br>H314 Causes severe skin burns and eye damage.<br>H315 Causes skin irritation.<br>H318 Causes serious eye damage.<br>H319 Causes serious eye irritation.<br>H332 Harmful if inhaled.<br>H335 May cause respiratory irritation.<br>H351 Suspected of causing cancer.<br>H412 Harmful to aquatic life with long lasting effects. |
| <b>Notes for Risk Phrases and Hazard Statements in Full</b> | The full text for Risk Phrases and Hazard Statements in section 16 relates to the reference numbers in sections 2 and 3 and not necessarily the finished product classification.  |

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.