



## SAFETY DATA SHEET

### Janitol Plus

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 Plus  
**Product number** JNP604,JNP76B,JNP84A,SHD5SFX,5605,5625,5699

##### 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;R36/38.

**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

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<b>Hazard statements</b>	H315 Causes skin irritation. H318 Causes serious eye damage.
<b>Precautionary statements</b>	P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P332+P313 If skin irritation occurs: Get medical advice/attention. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.
<b>Contains</b>	TETRAPOTASSIUM PYROPHOSPHATE, 2-AMINOETHANOL, BENZENE SULPHONIC ACID , C10-13-ALKYL DERIVS., SODIUM SALTS, SODIUM XYLENE SULPHONATE, ISOTRIDEKANOL, ETHOXYLATED 6.5 MOL EO
<b>Detergent labelling</b>	5 - < 15% anionic surfactants, 5 - < 15% phosphates, < 5% non-ionic surfactants
<b>Supplementary precautionary statements</b>	P362+P364 Take off contaminated clothing and wash it before reuse. P401 Store in accordance with national regulations. P501 Dispose of contents/container in accordance with national regulations.

### 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>5-10%</b></span>		
CAS number: 7320-34-5	EC number: 230-785-7	REACH registration number: 01-2119489369-18-xxxx
<b>Classification</b> Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi;R36.	
<b>2-AMINOETHANOL</b> <span style="float: right;"><b>4.0%</b></span>		
CAS number: 141-43-5	EC number: 205-483-3	REACH registration number: 01-2119486455-28
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Chronic 3 - H412	<b>Classification (67/548/EEC or 1999/45/EC)</b> C;R34 Xn;R20/21/22	

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<b>BENZENE SULPHONIC ACID , C10-13-ALKYL DERIVS., SODIUM SALTS</b>		<b>1-5%</b>
CAS number: 68411-30-3	EC number: 270-115-0	
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. Xi;R38,R41.	
<b>SODIUM XYLENE SULPHONATE</b>		<b>1-5%</b>
CAS number: 1300-72-7	EC number: 215-090-9	REACH registration number: 01-2119513350-56-XXXX
<b>Classification</b> Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi;R36/37/38.	
<b>ISOTRIDECANOL, ETHOXYLATED 6.5 MOL EO</b>		<b>1-5%</b>
CAS number: 69011-36-5	EC number: 931-138-8	REACH registration number: 01-2119976362-32-XXXX
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. Xi;R41.	

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>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

<b>Inhalation</b>	Irritation of nose, throat and airway.
<b>Ingestion</b>	May cause discomfort if swallowed. May cause stomach pain or vomiting.
<b>Skin contact</b>	Skin irritation.
<b>Eye contact</b>	The product is strongly irritating to eyes and skin. May cause serious eye damage.

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

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
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### SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

**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** Does not decompose when used and stored as recommended.

### 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.

### 6.2. Environmental precautions

**Environmental precautions** Collect and dispose of spillage as indicated in Section 13. Avoid discharge to the aquatic environment.

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

**Methods for cleaning up** Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid contamination of ponds or watercourses with washing down water.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling. Avoid contact with skin and 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.

**Storage class** Chemical storage.

### 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

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

**Ingredient comments** EU = Indicative Values according to Commission Directive 91/322/EEC.

### 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

### BENZENE SULPHONIC ACID , C10-13-ALKYL DERIVS., SODIUM SALTS (CAS: 68411-30-3)

**DNEL** Workers - Inhalation; Long term systemic effects: 12 mg/m<sup>3</sup>  
Workers - Inhalation; Long term local effects: 12 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 170 mg/kg/day  
General population - Inhalation; Long term systemic effects: 3 mg/m<sup>3</sup>  
General population - Inhalation; Long term local effects: 3 mg/m<sup>3</sup>  
General population - Oral; Long term systemic effects: 0.85 mg/kg/day

**PNEC** - Fresh water; 0.268 mg/l  
- Marine water; 0.0268 mg/l  
- Intermittent release; 0.0167 mg/l  
- STP; 3.43 mg/l  
- Sediment (Freshwater); 8.1 mg/kg  
- Marine water; 8.1 mg/kg  
- Soil; 35 mg/kg

### SODIUM XYLENE SULPHONATE (CAS: 1300-72-7)

**DNEL** Workers - Inhalation; Long term systemic effects: 26.9 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 136.25 mg/kg/day  
Workers - Dermal; Long term local effects: 0.096 mg/cm<sup>2</sup>  
General population - Inhalation; Long term systemic effects: 6.6 mg/m<sup>3</sup>  
General population - Dermal; Long term systemic effects: 68.1 mg/kg/day  
General population - Dermal; Long term local effects: 0.048 mg/cm<sup>2</sup>  
General population - Oral; Long term systemic effects: 3.8 mg/kg/day

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<b>PNEC</b>	- Fresh water; 0.23 mg/l
	- Intermittent release; 2.3 mg/l
	- STP; 100 mg/l

### ISOTRIDECANOL, ETHOXYLATED 6.5 MOL EO (CAS: 69011-36-5)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 294 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 2080 mg/kg
	General population - Inhalation; Long term systemic effects: 87 mg/m <sup>3</sup>
	General population - Dermal; Long term systemic effects: 1250 mg/kg/day
	General population - Oral; Long term systemic effects: 25 mg/kg/day

<b>PNEC</b>	- Fresh water; 0.074 mg/l
	- Marine water; 0.0074 mg/l
	- Intermittent release; 0.015 mg/l
	- STP; 1.4 mg/l
	- Sediment (Freshwater); 0.604 mg/kg
	- Sediment (Marinewater); 0.0604 mg/kg
- Soil; 0.1 mg/kg	

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Wear protective gloves made of the following material: Neoprene. Nitrile rubber. Polyethylene. Polyvinyl chloride (PVC).

### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

### Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

### Respiratory protection

No specific recommendations.

## SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid
<b>Colour</b>	Yellow.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	Not determined. Not determined.

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<b>pH</b>	pH (concentrated solution): 12.0-13.0
<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>	1.075-1.095 @ 25 C°
<b>Partition coefficient</b>	Scientifically unjustified.
<b>Auto-ignition temperature</b>	Scientifically unjustified.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	Scientifically unjustified.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

**Other information** Not relevant.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** The following materials may react with the product: Acids.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not applicable.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time. Avoid freezing.

### 10.5. Incompatible materials

**Materials to avoid** Strong acids.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**ATE oral (mg/kg)** 9,136.20559846

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### Acute toxicity - dermal

ATE dermal (mg/kg) 27,500.0

### Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 32.5

### Skin corrosion/irritation

Animal data Irritating.

### Serious eye damage/irritation

Serious eye damage/irritation Risk of serious damage to eyes.

### Skin sensitisation

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

### Germ cell mutagenicity

Genotoxicity - in vivo Based on available data the classification criteria are not met.

### Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

### Reproductive toxicity

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

### Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard based on chemical structure.

Inhalation May cause respiratory system irritation.

Ingestion May cause discomfort if swallowed.

Skin contact Irritating to skin.

Eye contact Irritating to eyes.

### Toxicological information on ingredients.

#### TETRAPOTASSIUM PYROPHOSPHATE

##### Acute toxicity - dermal

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

Species Rabbit

##### Skin corrosion/irritation

Animal data Primary dermal irritation index: 0

##### Skin sensitisation

Skin sensitisation - Mouse: Not sensitising.

#### 2-AMINOETHANOL



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### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 1,515.0

Species Rat Rat

ATE oral (mg/kg) 1,515.0

### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,504.0

Species Rabbit

ATE dermal (mg/kg) 1,100.0

### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 1.3

Species Rat

ATE inhalation (vapours mg/l) 11.0

## BENZENE SULPHONIC ACID , C10-13-ALKYL DERIVS., SODIUM SALTS

### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 1,080.0

Species Rat

ATE oral (mg/kg) 1,080.0

### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) LD50 >2000 mg/Kg bw RAT

### Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>) Endpoint waived according to REACH Annex VII, IX or XI.

### Skin corrosion/irritation

Animal data Dose: 2.17, 72 hours, Rabbit

### Serious eye damage/irritation

Serious eye damage/irritation H318 REACH dossier information.

### Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

### Germ cell mutagenicity

Genotoxicity - in vitro Gene mutation: Negative.

Genotoxicity - in vivo Chromosome aberration: Negative.

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### Carcinogenicity

**Carcinogenicity** Endpoint waived according to REACH Annex VII, IX or XI.

### Reproductive toxicity

**Reproductive toxicity - fertility** - NOAEL 350 mg/kg/day, Oral, Rat F2a

**Reproductive toxicity - development** Maternal toxicity:, Teratogenicity: - NOAEL: 300 mg/kg, Oral,

### Specific target organ toxicity - single exposure

**STOT - single exposure** Based on available data the classification criteria are not met.

### Specific target organ toxicity - repeated exposure

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

### ISOTRIDECANOL, ETHOXYLATED 6.5 MOL EO

### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD50 >2000 mg/Kg Rat

### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,000.0

**Species** Rat

## SECTION 12: Ecological Information

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment. The product does not meet the requirement for classification as an environmental hazard in accordance with directive 1999/45/EEC

### 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.

**Partition coefficient** Scientifically unjustified.

### 12.4. Mobility in soil

**Mobility** The product is soluble in water. The product is non-volatile.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** None known.

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### 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.

**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.

#### 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 Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

### SECTION 15: Regulatory information

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

**EU legislation** Dangerous Substances Directive 67/548/EEC.  
 Dangerous Preparations Directive 1999/45/EC.  
 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).

## Janitol Plus

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

<b>General information</b>	Only trained personnel should use this material.
<b>Key literature references and sources for data</b>	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.
<b>Revision comments</b>	SDS amended in line with REGULATION (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (as amended)
<b>Revision date</b>	20/08/2015
<b>Revision</b>	2
<b>Supersedes date</b>	08/05/2015
<b>Risk phrases in full</b>	R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R22 Harmful if swallowed. R34 Causes burns. R36 Irritating to eyes. R36/37/38 Irritating to eyes, respiratory system and skin. R36/38 Irritating to eyes and skin. R37 Irritating to respiratory system. R38 Irritating to skin. R41 Risk of serious damage to eyes.
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. 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.