

## SAFETY DATA SHEET

### Janitol Multiclean

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 Multiclean  
**Product number** JMC60T,JMC60TIS,JMC76S,JMC90J,4608771

##### 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**

##### 1.4. Emergency telephone number

**Emergency telephone**

#### SECTION 2: Hazards identification

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

###### Classification

**Physical hazards** Not Classified  
**Health hazards** Eye Irrit. 2 - H319  
**Environmental hazards** Not Classified

**Classification (67/548/EEC or 1999/45/EC)** Xi;R36/37/38.

**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** Warning

**Hazard statements** H319 Causes serious eye irritation.

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<b>Precautionary statements</b>	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/attention.</p> <p>P501 Dispose of contents/container in accordance with local regulations.</p>
<b>Detergent labelling</b>	5 - < 15% phosphates, < 5% amphoteric surfactants, < 5% anionic surfactants, < 5% non-ionic surfactants

### 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>			<b>5-10%</b>
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>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.		
<b>2-AMINOETHANOL</b>			<b>&lt;1%</b>
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		

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.
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<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>	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. If in doubt, get medical attention promptly.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
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### 5.2. Special hazards arising from the substance or mixture

<b>Hazardous combustion products</b>	Does not decompose when used and stored as recommended.
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### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	No specific firefighting precautions known.
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<b>Special protective equipment for firefighters</b>	Wear chemical protective suit.
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## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Collect and dispose of spillage as indicated in Section 13. Avoid discharge to the aquatic environment.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	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.
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### 6.4. Reference to other sections

<b>Reference to other sections</b>	For personal protection, see Section 8. For waste disposal, see Section 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Avoid spilling. Avoid contact with skin and eyes.
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### 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)

**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

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

**DNEL** 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

**PNEC** - 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

#### 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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### PNEC

- Fresh water; 0.23 mg/l
- Intermittent release; 2.3 mg/l
- STP; 100 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

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate ventilation.

### 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.

### 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. Respiratory protection may be required if excessive airborne contamination occurs.

## SECTION 9: Physical and Chemical Properties

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

Appearance	Liquid
Colour	Yellow.
Odour	Characteristic.

## Janitol Multiclean

Odour threshold	Not determined. Not determined.
pH	pH (concentrated solution): 10.0-11.5
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Scientifically unjustified. : : Scientifically unjustified.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.039-1.059 @ 25 C°C
Solubility(ies)	Soluble in water.
Partition coefficient	Scientifically unjustified.
Auto-ignition temperature	Scientifically unjustified.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Scientifically unjustified.
Oxidising properties	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

Other information	Not relevant.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	The following materials may react with the product: Acids.
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### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not applicable.
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### 10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time. Avoid freezing.
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### 10.5. Incompatible materials

Materials to avoid	Strong acids.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

## Janitol Multiclean

### Skin corrosion/irritation

**Animal data** Slightly 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** 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.

#### ISOTRIDECANOL, ETHOXYLATED 6.5 MOL EO

##### Acute toxicity - oral

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

##### Acute toxicity - dermal

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

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.

#### 12.6. Other adverse effects

**Other adverse effects** None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**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.



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### 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

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).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

#### General information

Only trained personnel should use this material.

#### 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.

#### Revision comments

New REACH Annex 2 Compliant MSDS

#### Revision date

28/01/2016

#### Revision

5

#### Supersedes date

21/10/2015

## Janitol Multiclean

**Risk phrases in full**

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.  
R37 Irritating to respiratory system.  
R41 Risk of serious damage to eyes.

**Hazard statements in full**

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

**Notes for Risk Phrases and Hazard Statements in Full**

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.