

SAFETY DATA SHEET
Janitol Plus

According to Regulation (EC) No 1907/2006, Annex II, as amended.

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
sdsuk@debgroup.com

1.4. Emergency telephone number

Emergency telephone National Poisons Information Service (UK) 0344 8920111 (Health Professionals only)
National Poisons Information Centre (Eire) 01-8092566/8379964

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification (EC 1272/2008)**

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

2.2. Label elements**Pictogram**

Signal word Danger
Hazard statements H315 Causes skin irritation.
H318 Causes serious eye damage.

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Precautionary statements	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</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>
Contains	TETRAPOTASSIUM PYROPHOSPHATE, 2-AMINOETHANOL, BENZENE SULPHONIC ACID , C10-13-ALKYL DERIVS., SODIUM SALTS, SODIUM XYLENE SULPHONATE, ISOTRIDECANOL, ETHOXYLATED 6.5 MOL EO
Detergent labelling	5 - < 15% anionic surfactants, 5 - < 15% phosphates, < 5% non-ionic surfactants
Supplementary precautionary statements	<p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P401 Store in accordance with national regulations.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>

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

TETRAPOTASSIUM PYROPHOSPHATE 1-10%		
CAS number: 7320-34-5	EC number: 230-785-7	REACH registration number: 01-2119489369-18-xxxx
Classification Eye Irrit. 2 - H319		
2-AMINOETHANOL 4.0%		
CAS number: 141-43-5	EC number: 205-483-3	REACH registration number: 01-2119486455-28
Classification 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		

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BENZENE SULPHONIC ACID , C10-13-ALKYL DERIVS., SODIUM SALTS 1-10%
CAS number: 68411-30-3 EC number: 270-115-0 REACH registration number: 01-2119489428-22-XXXX
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412
SODIUM XYLENE SULPHONATE 1-10%
CAS number: 1300-72-7 EC number: 215-090-9 REACH registration number: 01-2119513350-56-XXXX
Classification Eye Irrit. 2 - H319
ISOTRIDECANOL, ETHOXYLATED 6.5 MOL EO 1-10%
CAS number: 69011-36-5 EC number: 931-138-8 REACH registration number: 01-2119976362-32-XXXX
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	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

Inhalation	Irritation of nose, throat and airway.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact	Skin irritation.
Eye contact	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

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

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 Wear appropriate clothing to prevent skin contamination. Avoid contact with skin and eyes. Avoid spilling.

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/m³

Short-term exposure limit (15-minute): WEL 3 ppm 7.6 mg/m³

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

Ingredient comments None.

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TETRAPOTASSIUM PYROPHOSPHATE (CAS: 7320-34-5)

DNEL	Professional - Inhalation; Long term systemic effects: 44.08 mg/m ³ Consumer - Inhalation; Long term systemic effects: 10.87 mg/m ³
PNEC	- Fresh water; 0.05 mg/l - Marine water; 0.005 mg/l - STP; 50 mg/l - Fresh water; 0.5 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 ³ Industry - Inhalation; Long term local effects: 3.3 mg/m ³ Consumer - Dermal; Long term systemic effects: 0.24 mg/kg/day Consumer - Inhalation; Long term systemic effects: 2 mg/m ³ Consumer - Inhalation; Long term : 2 mg/m ³ Consumer - Oral; Long term systemic effects: 3.75 mg/kg/day
PNEC	- Fresh water; 0.085 mg/l - Sediment (Freshwater); 0.425 mg/kg - Marine water; 0.0085 mg/l - Intermittent release; 0.025 mg/l - Soil; 0.035 mg/kg - STP; 100 mg/l - 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 ³ Workers - Inhalation; Long term local effects: 12 mg/m ³ Workers - Dermal; Long term systemic effects: 170 mg/kg/day General population - Inhalation; Long term systemic effects: 3 mg/m ³ General population - Inhalation; Long term local effects: 3 mg/m ³ 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 ³ Workers - Dermal; Long term systemic effects: 136.25 mg/kg/day Workers - Dermal; Long term local effects: 0.096 mg/cm ² General population - Inhalation; Long term systemic effects: 6.6 mg/m ³ General population - Dermal; Long term systemic effects: 68.1 mg/kg/day General population - Dermal; Long term local effects: 0.048 mg/cm ² 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

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

DNEL	Workers - Inhalation; Long term systemic effects: 294 mg/m ³
	Workers - Dermal; Long term systemic effects: 2080 mg/kg
	General population - Inhalation; Long term systemic effects: 87 mg/m ³
	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

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: Wear tight-fitting, chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

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). To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 8 hours.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Good personal hygiene procedures should be implemented. Wash hands thoroughly after handling. Wash promptly if skin 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

Appearance	Liquid
Colour	Pink.
Odour	Characteristic.

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Odour threshold	Not determined.
pH	pH (concentrated solution): 12.0-13.0
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	Not applicable.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.075-1.095 @ 25 C°C
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.

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 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 Avoid contact with acids and alkalis.

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

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Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	9,136.21
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
ATE dermal (mg/kg)	27,500.0
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
ATE inhalation (vapours mg/l)	32.5
<u>Skin corrosion/irritation</u>	
Animal data	Irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Risk of serious damage to eyes.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vivo	Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	Does not contain any substances known to be carcinogenic.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Does not contain any substances known to be toxic to reproduction.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
<u>Aspiration hazard</u>	
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.
<u>Toxicological information on ingredients.</u>	

TETRAPOTASSIUM PYROPHOSPHATE

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2.0 mg/kg)

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Species	Rabbit
<u>Skin corrosion/irritation</u>	
Animal data	Primary dermal irritation index: 0
<u>Skin sensitisation</u>	
Skin sensitisation	- Mouse: Not sensitising.

2-AMINOETHANOL

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	1,515.0
Species	Rat Rat
ATE oral (mg/kg)	1,515.0
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	2,504.0
Species	Rabbit
ATE dermal (mg/kg)	1,100.0
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC₅₀ vapours mg/l)	1.3
Species	Rat
ATE inhalation (vapours mg/l)	11.0

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

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	1,080.0
Species	Rat
ATE oral (mg/kg)	1,080.0
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD50 >2000 mg/Kg bw RAT
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	Endpoint waived according to REACH Annex VII, IX or XI.
<u>Skin corrosion/irritation</u>	
Animal data	Dose: 2.17, 72 hours, Rabbit
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	H318 REACH dossier information.
<u>Skin sensitisation</u>	

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Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Gene mutation: Negative.
Genotoxicity - in vivo	Chromosome aberration: Negative.
<u>Carcinogenicity</u>	
Carcinogenicity	Endpoint waived according to REACH Annex VII, IX or XI.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	- NOAEL 350 mg/kg/day, Oral, Rat F2a
Reproductive toxicity - development	Maternal toxicity:, Teratogenicity: - NOAEL: 300 mg/kg, Oral,
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Conclusive data but not sufficient for classification.

ISOTRIDECANOL, ETHOXYLATED 6.5 MOL EO

<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD50 >2000 mg/Kg Rat
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	2,000.0
Species	Rat

SECTION 12: Ecological Information

Ecotoxicity The product is not expected to be hazardous to the environment.

12.1. Toxicity

Toxicity The product is not expected to be toxic to aquatic organisms.

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

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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 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 MARPOL 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 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).

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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	Revision of information NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	05/09/2018
Revision	8
Supersedes date	14/06/2018
Hazard statements in full	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.
Notes for Hazard Statements in Full	The full text for 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.