



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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Hazard statements	H315 Causes skin irritation. H318 Causes serious eye damage.
Precautionary statements	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.
Contains	TETRAPOTASSIUM PYROPHOSPHATE, 2-AMINOETHANOL, BENZENE SULPHONIC ACID , C10-13-ALKYL DERIVS., SODIUM SALTS, SODIUM XYLENE SULPHONATE, ISOTRIDEKANOL, ETHOXYLATED 6.5 MOL EO
Detergent labelling	5 - < 15% anionic surfactants, 5 - < 15% phosphates, < 5% non-ionic surfactants
Supplementary precautionary statements	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

TETRAPOTASSIUM PYROPHOSPHATE 5-10%		
CAS number: 7320-34-5	EC number: 230-785-7	REACH registration number: 01-2119489369-18-xxxx
Classification Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xi;R36.	
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	Classification (67/548/EEC or 1999/45/EC) C;R34 Xn;R20/21/22	

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

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 affected person from source of contamination. 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

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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/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 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/m³
Consumer - Inhalation; Long term systemic effects: 10.87 mg/m³

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/m³
Industry - Inhalation; Long term local effects: 3.3 mg/m³
Consumer - Dermal; Long term systemic effects: 0.24 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 2 mg/m³
Consumer - Inhalation; Long term : 2 mg/m³
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/m³
Workers - Inhalation; Long term local effects: 12 mg/m³
Workers - Dermal; Long term systemic effects: 170 mg/kg/day
General population - Inhalation; Long term systemic effects: 3 mg/m³
General population - Inhalation; Long term local effects: 3 mg/m³
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/m³
Workers - Dermal; Long term systemic effects: 136.25 mg/kg/day
Workers - Dermal; Long term local effects: 0.096 mg/cm²
General population - Inhalation; Long term systemic effects: 6.6 mg/m³
General population - Dermal; Long term systemic effects: 68.1 mg/kg/day
General population - Dermal; Long term local effects: 0.048 mg/cm²
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

ISOTRIDECANOL, 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: 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

Appearance	Liquid
Colour	Yellow.
Odour	Characteristic.
Odour threshold	Not determined. Not determined.

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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	Scientifically unjustified. : : Scientifically unjustified.
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 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 (LD₅₀ 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 (LD₅₀ mg/kg) 1,515.0

Species Rat Rat

ATE oral (mg/kg) 1,515.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,504.0

Species Rabbit

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

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

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,080.0

Species Rat

ATE oral (mg/kg) 1,080.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD50 >2000 mg/Kg bw RAT

Acute toxicity - inhalation

Notes (inhalation LC₅₀) 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 LD₅₀) LD50 >2000 mg/Kg Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 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).

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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	SDS amended in line with REGULATION (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (as amended)
Revision date	20/08/2015
Revision	2
Supersedes date	08/05/2015
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. R36/38 Irritating to eyes and skin. R37 Irritating to respiratory system. R38 Irritating to skin. R41 Risk of serious damage to eyes.
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 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.