Janitol Plus

Version *1*.0
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Specification Number: 350000043470

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier : Janitol Plus

UFI : PF14-N06E-200E-8G9J

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

Use of the Substance/Mixture : Washing and cleaning products (including solvent based products)

Uses advised against : None identified

1.3 Details of the supplier of the safety data sheet : SC Johnson Professional Ltd.
Denby Hall Way
Denby, Derbyshire, DE5 8JZ
United Kingdom

Telephone : +44 (0) 1773 85510
+49 (0) 2151 73801827

E-mail address : talktous@scj.com

1.4 Emergency telephone number : National Poisons Information Centre (Eire) 01-8092566/8379964

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Hazard classification	Hazard category	Hazards identification
Serious eye damage	Category 1	Causes serious eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)
Hazard symbols

Signal word
Danger

Contains
TETRAPOTASSIUM PYROPHOSPHATE, 2-AMINOETHANOL, BENZENE SULPHONIC ACID , C10-13-ALKYL DERIVS., SODIUM SALTS, SODIUM XYLENE SULPHONATE, ISOTRIDECANOL, ETHOXYLATED 6.5 MOL EO

Hazard statements
(H318) Causes serious eye damage.
(H315) Causes skin irritation.

Precautionary statements
(P305 + P351 + P338) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
(P302 + P352) IF ON SKIN: Wash with plenty of water/.?.
(P332 + P313) If skin irritation occurs: Get medical advice/ attention.
(P337) If eye irritation persists:
(P313) Get medical advice/ attention.
(P501) Dispose of contents /container in accordance with local regulations.
(P264) Wash skin thoroughly after handling.
(P280) Wear protective gloves/ protective clothing/ eye protection/ face protection.

Detergents regulations : **Contains**
< = 5% non-ionic surfactants, > = 5% and < 15% phosphates, Anionic surfactants,

2.3 Other hazards : **Endocrine Disruptor**
The mixture does not contain any substances >0.1% that are included in the list established in accordance with Article 59(1) for having endocrine disrupting properties
PBT and vPvB substance
The mixture does not contain any substances >0.1% that meet the criteria for persistent, bioaccumulative and toxic or very persistent and very bioaccumulative in accordance with Annex XIII.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Hazardous components:

tetrapotassium pyrophosphate	7320-34-5 / 230-785-7	01-2119489369-18	Serious eye damage/eye irritation Category 2A H319	>= 5.00 - < 10.00	**ATE :** **Oral** = 2,980 mg/kg Species: Rat **Dermal** = > 2,000 mg/kg Species: Rat **Inhalation** = > 1.1 mg/l

Chemical name	CAS-No./EC-No.	Reg. No.	Classification according to Regulation (EC) No 1272/2008 (CLP)	Weight percent	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
					Species: Rat
sodium xylenesulphonate	1300-72-7 / 215-090-9		Serious eye damage/eye irritation Category 2A H319	>= 1.00 - < 5.00	**ATE :** **Oral** = > 7,000 mg/kg Species: Rat **Dermal** = > 2,000 mg/kg Species: Rabbit
2-aminoethanol	141-43-5 / 205-483-3	01-2119486455-28	Acute toxicity Category 4 H302 Acute toxicity Category 4 H312 Acute toxicity Category 4 H332 Skin corrosion Category 1B H314 Long-term (chronic) aquatic hazard Category 3 H412 Serious eye damage Category 1 H318 Specific target organ toxicity - single exposure Category 3 H335	>= 1.00 - < 5.00	**ATE :** **Oral** = 1,089 mg/kg Species: Rat **Dermal** = 1,000 mg/kg Species: Rabbit **SCL:** Specific target organ toxicity - single exposure H335 >= 5 %

Chemical name	CAS-No./EC-No.	Reg. No.	Classification according to Regulation (EC) No 1272/2008 (CLP)	Weight percent	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched (EO=7)	69011-36-5 /	01-2119976362-32	Acute toxicity Category 4 H302 Serious eye damage/eye irritation Category 1 H318 Serious eye damage/eye irritation Category 1 H318 Acute toxicity Category 4 H302	>= 1.00 - < 5.00	**ATE :** **Oral** = 1,700 mg/kg Species: Rat **Dermal** = > 2,000 mg/kg Species: Rat
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3 / 270-115-0	01-2119489428-22	Long-term (chronic) aquatic hazard Category 3 H412 Serious eye damage/eye irritation Category 1 H318 Skin corrosion/irritation Category 2 H315 Acute toxicity Category 4 H302	>= 1.00 - < 5.00	**ATE :** **Oral** = 1,080 mg/kg Species: Rat **Dermal** = > 2,000 mg/kg Species: Rat

WEL substance					
caustic soda	1310-73-2 / 215-185-	01-2119982981-22	Skin corrosion	>= 0.00 - < 0.10	**ATE :**

	5		Category 1A H314 Serious eye damage Category 1 H318		**Oral** = 325 mg/kg Species: Rat **Dermal** = 1,350 mg/kg Species: Rabbit **SCL:** Skin corrosion H314 >= 5 % Skin corrosion H314 2 - < 5 % Skin irritation H315 0.5 - < 2 % Eye irritation H319 0.5 - < 2 %

Additional Information
For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation : Move to fresh air.

Skin contact : Rinse with plenty of water.
Get medical attention if irritation develops and persists.

Eye contact : Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
Flush immediately with plenty of water for at least 15 to 20 minutes.
Get medical attention immediately.

Ingestion : If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

Eyes : Causes serious eye damage.
No adverse effects expected when used as directed.

Skin effect	:	No adverse effects expected when used as directed.
Inhalation	:	May cause respiratory tract irritation. No adverse effects expected when used as directed.
Ingestion	:	May cause abdominal discomfort. No adverse effects expected when used as directed.

4.3 Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable	:	None identified
5.2 Special hazards arising from the substance or mixture	:	In case of fire and/or explosion do not breathe fumes. Exposure to decomposition products may be a hazard to health.
5.3 Advice for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Wear suitable protective clothing and gloves. Refer to current EN or National standard as appropriate.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment.
6.2 Environmental precautions	:	Outside of normal use, avoid release to the environment. Prevent large amounts of product from entering drains. Prevent further leakage or spillage if safe to do so. Use appropriate containment to avoid environmental contamination.
6.3 Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean residue from spill site. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections : For personal protection see section 8.
For disposal considerations see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling : For personal protection see section 8.
Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities : Do not freeze.
Keep out of the reach of children.
Not applicable
No decomposition if stored and applied as directed.

7.3 Specific end use(s) : Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Washing and cleaning products (including solvent based products)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limit Values

Components	CAS-No.	mg/m3	ppm	Form of exposure	List
2-aminoethanol	141-43-5	7.6 mg/m3	3 ppm		EUOEL_STEL
		2.5 mg/m3	1 ppm		EUOEL_TWAS
		7.6 mg/m3	3 ppm		IE_STELS
		2.5 mg/m3	1 ppm		IE_TWAS
caustic soda	1310-73-2	2 mg/m3			IE_STELS

Refer to current EN or National standard as appropriate.

8.2 Exposure controls

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : For prolonged or repeated contact use protective gloves.
Nitrile gloves – Thickness 0.12mm; Breakthrough time >2 hours.

Eye/face protection : Safety glasses

Skin and body protection : No special requirements.

Other information : Wash hands before breaks and at the end of workday.

Environmental Exposure Controls	:	Refer to section 6.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	pink
Odour	:	Functional
pH	:	12.5
Melting point/freezing point	:	0 °C
Initial boiling point and boiling range	:	> 100 °C
Flash point	:	does not flash
Flammability (solid, gas)	:	Test not applicable for this product type
Lower flammability or explosive limits	:	Not measured as flashpoint >100 °C
Upper flammability or explosive limits	:	Not measured as flashpoint >100 °C
Vapour density	:	Not measured as flashpoint >100 °C
Relative density	:	1.085 g/cm3 at 25 °C
Solubility(ies)	:	soluble
Partition coefficient: n-octanol/water	:	Not required as the product is a mixture.
Auto-ignition temperature	:	Not measured as flashpoint >100 °C
Decomposition temperature	:	Not measured as mixture is not self-reactive
Viscosity, kinematic	:	Test not applicable for this product type
Particle Characteristics	:	Not required as mixture is a liquid

9.2 Other information

Other information	:	Test not applicable for this

product type

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity : No dangerous reaction known under conditions of normal use.

10.2 Chemical stability : Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions : None known.

10.4 Conditions to avoid : Extremes of temperature and direct sunlight.

10.5 Incompatible materials : Do not mix with acids or any other household products. May release dangerous gases (chlorine).

10.6 Hazardous decomposition products : No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

Name	Method	Species	Dose
Product	LD50 Calculated		> 2,000 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
Product	LC50 (vapour) Calculated		> 20 mg/l	

Acute dermal toxicity

Name	Method	Species	Dose
Product	LD50 Calculated		> 2,000 mg/kg

Skin corrosion/irritation : Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation	:	Based on available data, the classification criteria are not met.
Skin sensitisation	:	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	:	Based on available data, the classification criteria are not met.
Carcinogenicity	:	Based on available data, the classification criteria are not met.
Toxicity for reproduction	:	Based on available data, the classification criteria are not met.
STOT - single exposure	:	Based on available data, the classification criteria are not met.
STOT - repeated exposure	:	Based on available data, the classification criteria are not met.
Aspiration hazard	:	Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine Disrupting Properties	:	The mixture does not contain any substances >0.1% that are included in the list established in accordance with Article 59(1) for having endocrine disrupting properties
Other information	:	None identified

SECTION 12: ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

12.1 Toxicity

Toxicity to fish

Components	End point	Species	Value	Exposure time
tetrapotassium pyrophosphate	LC50	Oncorhynchus mykiss (rainbow trout)	> 100 mg/l	96 h
sodium xylenesulphonate	LC50 Read-across (Analogy)	Oncorhynchus mykiss (rainbow trout)	> 1,000 mg/l	96 h
2-aminoethanol	LC50 NOEC	Carassius auratus (goldfish) Oryzias latipes	170 mg/l 1.2 mg/l	96 h 41 d

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched (EO=7)	No data available			
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	LC50 static test	Pimephales promelas (fathead minnow)	0.7 mg/l	96 h
caustic soda	LC50	Fish	35 - 189 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
tetrapotassium pyrophosphate	EC50	water flea	> 100 mg/l	48 h
sodium xylenesulphonate	EC50	Daphnia magna (Water flea)	> 1,020 mg/l	48 h
2-aminoethanol	EC50 NOEC	Daphnia magna (Water flea) Daphnia magna	65 mg/l 0.85 mg/l	48 h 21 d
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched (EO=7)	No data available			
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	EC50	Daphnia magna (Water flea)	0.63 mg/l	48 h
caustic soda	EC50	Daphnia magna (Water flea)	40.4 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
tetrapotassium pyrophosphate	EC50	Desmodesmus subspicatus (green algae)	> 100 mg/l	72 h
sodium xylenesulphonate	EC50	Selenastrum capricornutum,	> 230 mg/l	96 h

		Skeletonema costatum		
2-aminoethanol	EC50	Desmodesmus subspicatus (green algae)	2.5 mg/l	72 h
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched (EO=7)	No data available			
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	EC50	Pseudokirchneriella subcapitata (green algae)	4.29 - 12.5 mg/l	96 h
caustic soda	No data available			

12.2 Persistence and degradability

Component	Biodegradation	Exposure time	Summary
tetrapotassium pyrophosphate	No data available		
sodium xylenesulphonate	100 %	28 d	Readily biodegradable.
2-aminoethanol	> 90 %	21 d	Readily biodegradable.
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched (EO=7)			Readily biodegradable.
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	85 %	29 d	Readily biodegradable.
caustic soda	No data available		

12.3 Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
tetrapotassium pyrophosphate	No data available	No data available
sodium xylenesulphonate	No data available	-3.12 estimated
2-aminoethanol	9.2 QSAR	-0.2
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched (EO=7)	No data available	No data available
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	2 - 1,000	3.32
caustic soda	0.89 estimated	-1.38

12.4 Mobility in soil

Component	End point	Value
tetrapotassium pyrophosphate	Koc	149
sodium xylenesulphonate	No data available	
2-aminoethanol	No data available	
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched (EO=7)	No data available	
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	No data available	
caustic soda	No data available	

12.5 Results of PBT and vPvB assessment

Component	Results
tetrapotassium pyrophosphate	Not fulfilling PBT and vPvB criteria
sodium xylenesulphonate	Not fulfilling PBT and vPvB criteria
2-aminoethanol	Not fulfilling PBT and vPvB criteria
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched (EO=7)	Not fulfilling PBT and vPvB criteria
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Not fulfilling PBT and vPvB criteria
caustic soda	Not fulfilling PBT and vPvB criteria

12.6 Endocrine Disrupting Properties : The mixture does not contain any substances >0.1% that are included in the list established in accordance with Article 59(1) for having endocrine disrupting properties

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Disposal should be in accordance with local, state or national legislation.
Please recycle empty packaging.

Packaging : Do not re-use empty containers.

SECTION 14: TRANSPORT INFORMATION

Land transport
Not classified as dangerous in the meaning of transport regulations.

Sea transport
Not classified as dangerous in the meaning of transport regulations.

Air transport
Not classified as dangerous in the meaning of transport regulations.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture : This safety datasheet complies with the requirements of:

Regulation (EC) No. 1907/2006.

Regulation (EC) No. 1272/2008 (CLP) as amended (not applicable to cosmetics)

Regulation (EC) No. 528/2012 as amended (applicable to biocidal products)

Directive (EEC) No. 75/324 as amended (applicable to aerosols)

Regulation (EC) No. 1223/2009 amended (applicable to cosmetic products)

Regulation (EC) No. 684/2001 The surfactants contained in this preparation comply with the biodegradability criteria laid down in Regulation (EC) No.648/2004 for detergents (applicable to detergents).

Directive (EC) No. 2001/95/EC - General Product Safety Directive

European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)

Directive 2012/18/EU Seveso

Regulation (EU) 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

SZW list of carcinogenic, mutagenic and reproductively toxic substances

15.2 Chemical safety assessment : 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

SECTION 16: OTHER INFORMATION

If applicable, revision(s) are noted by the bold bars || in left-hand margin.

Key abbreviations or acronyms used

EC - European Community
EEC – European Economic Community
CLP – Classification Labelling & Packaging
EN – European Standard or European Norm
PBT – Persistent, Bioaccumulative & Toxic
vPvB – very persistent, very bioaccumulative
UN – United Nations

Evaluation methods

Unless otherwise stated in section 11, the procedure used to derive the human health classification is the relevant calculation method according to CLP regulation (EC) No 1272/2008 as amended.

Unless otherwise stated in section 12, the procedure used to derive the environmental classification is the summation of the classified components method according to CLP regulation (EC) No 1272/2008 as amended.

Full text of H-Statements

H319	Causes serious eye irritation.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.