



SAFETY DATA SHEET

Janitol Lo-Foam

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 Lo-Foam

Product number G67060

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 Force Products Ltd
Stock House
Seymour Road
Nuneaton
CV11 4LB
Tel: +44 (0) 02476 322130 Fax: +44
(0) 02476 322151
Email: sales@forceproducts.co.uk

1.4. Emergency telephone number

Emergency telephone National Poisons Information Service (UK) 0844 8920111 (Health Professionals only)

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.

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

Janitol Lo-Foam

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. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P501 Dispose of contents/container in accordance with national regulations.
Contains	TETRAPOTASSIUM PYROPHOSPHATE, 2-AMINOETHANOL, SODIUM METASILICATE, TETRASODIUM ETHYLENE DIAMINE TETRAACETATE
Detergent labelling	< 5% EDTA and salts thereof, < 5% phosphates
Supplementary precautionary statements	P362+P364 Take off contaminated clothing and wash it before reuse.

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			1-5%
CAS number: 7320-34-5	EC number: 230-785-7	REACH registration number: 01-2119489369-18-xxxx	
Classification	Classification (67/548/EEC or 1999/45/EC)		
Eye Irrit. 2 - H319	Xi;R36.		
2-AMINOETHANOL			1-5%
CAS number: 141-43-5	EC number: 205-483-3	REACH registration number: 01-2119486455-28	
Classification	Classification (67/548/EEC or 1999/45/EC)		
Acute Tox. 4 - H302	C;R34 Xn;R20/21/22		
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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SODIUM METASILICATE			1-5%
CAS number: 6834-92-0	EC number: 229-912-9	REACH registration number: 01-2119449811-37-XXXX	
Classification Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335		Classification (67/548/EEC or 1999/45/EC) C;R34. Xi;R37.	
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE			1-5%
CAS number: 64-02-8	EC number: 200-573-9	REACH registration number: 01-2119486762-27-XXXX	
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318		Classification (67/548/EEC or 1999/45/EC) Xn;R22 Xi;R41	
TRISODIUM NITRILOTRIACETATE			<1%
CAS number: 5064-31-3	EC number: 225-768-6	REACH registration number: 01-2119519239-36-XXXX	
Classification Acute Tox. 4 - H302 Eye Irrit. 2 - H319 Carc. 2 - H351		Classification (67/548/EEC or 1999/45/EC) Carc. Cat. 3;R40 Xn;R22 Xi;R36	
SODIUM HYDROXIDE			<1%
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27-XXXX	
Classification Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318		Classification (67/548/EEC or 1999/45/EC) C;R35	

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	Not relevant. Unlikely route of exposure as the product does not contain volatile substances.
Ingestion	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Not applicable.
Eye contact	Remove any contact lenses and open eyelids wide apart. Important! Immediately rinse with water for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation	No specific symptoms known.
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Ingestion	No specific symptoms known.
Skin contact	This product is moderately irritating.
Eye contact	Irritation of eyes and mucous membranes.

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

Notes for the doctor	No specific recommendations.
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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.
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5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	No known hazardous decomposition products.
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5.3. Advice for firefighters

Protective actions during firefighting	No specific firefighting precautions known.
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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. Avoid contact with eyes.
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6.2. Environmental precautions

Environmental precautions	Not considered to be a significant hazard due to the small quantities used.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Flush away spillage with plenty of water. Avoid contamination of ponds or watercourses with washing down water. Absorb spillage with non-combustible, absorbent material. Do not discharge into drains or watercourses or onto the ground.
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6.4. Reference to other sections

Reference to other sections	For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid contact with 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.
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7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

2-AMINOETHANOL

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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

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

Ingredient comments None.

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	- 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 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	- 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

SODIUM METASILICATE (CAS: 6834-92-0)

DNEL	Workers - Inhalation; Long term systemic effects: 6.22 mg/m ³ Workers - Dermal; Long term systemic effects: 1.49 mg/kg/day General population - Inhalation; Long term systemic effects: 1.55 mg/m ³ General population - Dermal; Long term systemic effects: 0.74 mg/kg/day General population - Oral; Long term systemic effects: 0.74 mg/kg/day
PNEC	- Fresh water; 7.5 mg/l - Marine water; 1 mg/l - STP; 1000 mg/l

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

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DNEL

Consumer - Oral; Long term systemic effects: 28 mg/kg/day
 Professional - Inhalation; Short term systemic effects: 2.8 mg/m³
 Professional - Inhalation; Long term local effects: 2.5 mg/m³
 Consumer - Inhalation; Short term systemic effects: 1.5 mg/m³
 Professional - Inhalation; Long term systemic effects: 2.5 mg/m³
 Consumer - Inhalation; Long term local effects: 1.5 mg/m³
 Professional - Inhalation; Short term systemic effects: 2.5 mg/m³
 Professional - Inhalation; Short term local effects: 2.5 mg/m³

PNEC

- Fresh water; 2.2 mg/l
 - Soil; 0.72 mg/kg
 - STP; 43 mg/l
 - Marine water; 0.22 mg/l
 - ; Intermittent release 1.2 mg/l

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL

Industry - Inhalation; Long term local effects: 1 mg/m³
 Consumer - Inhalation; Long term local effects: 1 mg/m³

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Not relevant.

Eye/face protection

Not required normally but wear eye protection if you are conducting an operation where there is a risk of this product getting in the eyes.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Hygiene measures

Wash hands after contact.

Respiratory protection

Not relevant.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Green.
Odour	Characteristic.
Odour threshold	Not determined. Not determined.
pH	Not determined.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.

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Upper/lower flammability or explosive limits	Scientifically unjustified. : : Scientifically unjustified.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.04-1.06 @ 25 C°C
Solubility(ies)	Soluble in water.
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	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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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 known.
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10.4. Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
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10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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10.6. Hazardous decomposition products

Hazardous decomposition products	No known hazardous decomposition products.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	12,165.45012165
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Acute toxicity - dermal

Notes (dermal LD ₅₀)	Based on available data the classification criteria are not met.
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ATE dermal (mg/kg)	36,666.66666667
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Acute toxicity - inhalation

ATE inhalation (vapours mg/l)	43.33333333
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Skin corrosion/irritation

Animal data Moderately 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 Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

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

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Inhalation No specific health hazards known.

Ingestion May cause discomfort if swallowed.

Skin contact Prolonged and frequent contact may cause redness and irritation.

Eye contact Irritating to eyes.

Toxicological information on ingredients.

TETRAPOTASSIUM PYROPHOSPHATE

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2.0

Species Rabbit

Skin corrosion/irritation

Animal data Primary dermal irritation index: 0

Skin sensitisation

Skin sensitisation - Mouse: Not sensitising.

2-AMINOETHANOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,515.0

Species Rat Rat

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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

SODIUM METASILICATE

Acute toxicity - oral

Notes (oral LD₅₀) LD50 1152 1349 mg/kg bw Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD50 > 5000 mg/kg bw Rat

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC50 > 2.06 mg/L air Rat

Skin corrosion/irritation

Animal data Primary dermal irritation index: 8

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,780.0

Species Rat Rat

Notes (oral LD₅₀) LD50 > 1780 < 2000 mg/kg bw

ATE oral (mg/kg) 1,780.0

Acute toxicity - dermal

Species Rat

ATE dermal (mg/kg) 3,300.0

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LOAEC ca. 30 mg/m³ air

ATE inhalation (vapours mg/l) 11.0

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

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Serious eye damage/irritation

Serious eye damage/irritation H318

Respiratory sensitisation

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

Skin sensitisation

Skin sensitisation - : Conclusive data but not sufficient for classification.

Germ cell mutagenicity

Genotoxicity - in vitro Conclusive data but not sufficient for classification.

Genotoxicity - in vivo Conclusive data but not sufficient for classification.

Carcinogenicity

Carcinogenicity Conclusive data but not sufficient for classification.

Reproductive toxicity

Reproductive toxicity - fertility Conclusive data but not sufficient for classification.

Reproductive toxicity - development Conclusive data but not sufficient for classification.

Specific target organ toxicity - single exposure

STOT - single exposure Conclusive data but not sufficient for classification.

Specific target organ toxicity - repeated exposure

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

SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment.

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.

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

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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.

Air 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 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	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

Janitol Lo-Foam

No chemical safety assessment has been carried out.

SECTION 16: Other information

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	27/01/2016
Revision	2
Supersedes date	18/08/2015
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. R37 Irritating to respiratory system. 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. H351 Suspected of causing cancer. 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.