

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : JANGRO TOILET CLEANER & DESCALER SACHETS

Product code : BB586

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

1.2.1. Relevant identified uses

Main use category : Professional use, Consumer use

Use of the substance/mixture : Toilet Cleaner & Descaler

1.2.2. Uses advised against

Restrictions on use : Not for Oral Consumption, Not for Direct Application to Food Stuffs, Mixing with Hypochlorite (Bleach) based products can result in the evolution of Chlorine Gas.

1.3. Details of the supplier of the safety data sheet

Supplier (UK).

Jangro Limited.
1A Parklands, 3rd Floor
Lostock
Bolton, BL6 4SD

Tel +44 (0) 1204 795 955
email enquiries@jangrohq.net

Supplier (EU).

Jangro (Europe) Limited.
6 - 9 Trinity Street.
Dublin 2. DO2 EY47

Tel +353 (0) 1617 7911

1.4. Emergency telephone number

Emergency number : +44 (0) 1204 795 955 (Office Hours). For immediate first aid advice in the UK call 111
This product is registered with NPIS in the UK

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] and GB CLP Regulations

Skin corrosion/irritation, Category 2 H315

Serious eye damage/eye irritation, Category 2 H319

Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

NOTE:- In Use Solutions of this Product are NOT CLASSIFIED.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS07

Signal word (CLP)

: Warning

Hazard statements (CLP)

: H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P102 - Keep out of reach of children.

P264 - Wash hands thoroughly after handling.

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P280 - Wear protective gloves.
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.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P402+P404 - Store in a dry place. Store in a closed container.
P501 - Dispose of contents and container to national regulations.

2.3. Other hazards

Other hazards which do not result in classification : To the best of our knowledge this product contains no Endocrine disrupting substances.

This product does not contain any substances classified as PBT

This product does not contain any substances classified as vPvB.

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP] and GB CLP Regulations
sulphamidic acid; sulphamic acid; sulfamic acid	CAS-No.: 5329-14-6 EC-No.: 226-218-8 EC Index-No.: 016-026-00-0	$\geq 30 - < 50$	Eye Irrit. 2, H319 Skin Irrit. 2, H315 Aquatic Chronic 3, H412
sodium carbonate	CAS-No.: 497-19-8 EC-No.: 207-838-8 EC Index-No.: 011-005-00-2 REACH-no: 01-2119485498-19	$\geq 8 - < 15$	Eye Irrit. 2, H319
ISOBORNYL ACETATE	CAS-No.: 125-12-2 EC-No.: 204-727-6	$\geq 2 - < 3$	Aquatic Chronic 3, H412
ACID BLUE 1	CAS-No.: 129-17-9 EC-No.: 204-934-1	$\geq 1.5 - < 2$	Aquatic Chronic 3, H412

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If medical advice is needed, have product container or label at hand. For immediate First Aid advice in the UK, dial 111. When it is safe to do so, remove the victim immediately from the source of exposure. However, consideration should be given as to whether moving the victim will cause further injury.
First-aid measures after inhalation	: Unlikely without deliberate abuse. Move the affected person to the fresh air. If unconscious place in recovery position and seek medical advice.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention. If unconscious, place in the recovery position and seek medical advice.

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

Symptoms/effects	: Neat product will cause skin and eye irritation. Dilute in use solutions are unclassified but may cause eye reddening and transient irritation.
Symptoms/effects after inhalation	: Unlikely route of exposure, but inhalation of dilute solution droplets may result in a sore throat. If mixed with bleach based products, Chlorine gas may be produced, check for respiratory disorders.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Unlikely route of exposure without deliberate abuse. If sachets are swallowed they may swell and could block the throat and GI tract. Irritation to the mouth and GI tract could occur, a soapy taste may be reported. Ingestion of diluted solution is unlikely to cause long term harm, but a soapy taste may be reported.

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

Rinse with plenty of water. Check for abrasion to the surface of the eye from powder particles.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing agent suitable for surrounding fire.
Unsuitable extinguishing media	: Water.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: The product is not flammable.
Hazardous decomposition products in case of fire	: On heating, irritating fumes may be produced.

5.3. Advice for firefighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Wear protective clothing as described in section 8 of this SDS.
Emergency procedures	: Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

Normal use solutions can be disposed to sewers and septic tanks. Large scale spillages or uncontrolled discharges into water systems must be reported to the relevant Environment Agency.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Collect and place spillage in suitable containers. Seal the containers and apply labelling to identify the material and hazards. For disposal see section 13 of this SDS.
Other information	: Dispose of via an authorised person/ licensed waste disposal contractor or by other suitable waste treatment techniques.

6.4. Reference to other sections

For further information refer to section 13. See sections 2,8,12,13 &14.

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According to GB and EU REACH and CLP Regulations

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Carefully comply with the instructions for use. Avoid contact with eyes.
Hygiene measures : Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : It is essential that sachets are stored in original packaging in a dry non humid area.
Storage conditions : Store in a dry place. Store in a closed container.
Incompatible products : Bleach.
Storage temperature : 0 – 30 °C

7.3. Specific end use(s)

Toilet Cleaner Concentrate. Flush toilet, pump the brush in the bowl to lower water level. Apply the toilet cleaner around and under the rim of the toilet, leave for a few minutes before flushing. Additional brushing after the 5 minute soak will aid removal of difficult stains. In very hard water areas repeated application may be necessary. . NOTE: This product is a toilet bowl cleaner, it is not suitable for use as a general washroom and bathroom cleaner.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

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United Kingdom - Occupational Exposure Limits

Remark	Note general inhalable dust WEL of 10mg/m3 (TWA) and respirable dust WEL of 4mg/m3.
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8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. During manufacture and packing operations, eye protection is recommended. In Normal use eye protection is not required. Consider safety glasses if there is a significant risk of splashing. Refer to EN166 to select appropriate level of protection.

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8.2.2.2. Skin protection

Hand protection:

During normal use gloves are not required. During manufacture and packing operations, the use of gloves with a breakthrough time >60 minutes is recommended. Refer to EN374 to select appropriate level of protection. Rubber and PVC gloves are recommended. NOTE:- Use of gloves is a good general hygiene practice.

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Note:- This would be very unusual in normal use.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid large scale release of undiluted material to the environment.

Other information:

The PPE indicated in this SDS is not a COSHH assessment. It represents the PPE that should be considered for the neat product at all stages of the products life cycle, including manufacture, packing, distribution, use and disposal. Use solutions are unclassified, but for these we recommend use of gloves as minimum PPE.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: Blue. Green.
Odour	: Fresh Pine.
Odour threshold	: No data available
pH	: 2.6 – 3
Relative evaporation rate (butylacetate=1)	: Not applicable.
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not applicable
Flammability (solid, gas)	: Not Flammable
Vapour pressure	: Not applicable
Relative vapour density at 20°C	: Not applicable
Relative density	: Not applicable
Density	: 0.9 – 1 g/cm ³
Solubility	: Completely soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Not oxidising.
Explosive limits	: Not applicable

9.2. Other information

VOC content	: Contains no VOCs
Volatility	: Non Volatile

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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According to GB and EU REACH and CLP Regulations

10.2. Chemical stability

Stable under normal conditions. Do not mix with other chemicals.

10.3. Possibility of hazardous reactions

Mixing with Hypochlorite (Bleach) based products can result in the evolution of Chlorine Gas.

10.4. Conditions to avoid

Store away from moisture in a closed container.

10.5. Incompatible materials

Avoid contact with : Oxidising agents. alkalis. Do not mix with Bleach or products containing Sodium Hypochlorite, this could result in dangerous heating of the solution.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

ACID BLUE 1 (129-17-9)

LD50 oral rat	> 10000 mg/kg bodyweight Animal: rat, Guideline: other:, Remarks on results: other:
LD50 dermal rabbit	1313588 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
ATE CLP (dermal)	1313588 mg/kg bodyweight

ISOBORNYL ACETATE (125-12-2)

LD50 oral rat	> 10000 mg/kg bodyweight Animal: rat
LD50 oral	9000 mg/kg bodyweight Animal: mouse
LD50 dermal rabbit	20000 mg/kg bodyweight Animal: rabbit
ATE CLP (oral)	9000 mg/kg bodyweight
ATE CLP (dermal)	20000 mg/kg bodyweight

Skin corrosion/irritation : Causes skin irritation.
pH: 2.6 – 3

ACID BLUE 1 (129-17-9)

pH	10.37 Temp.: 30,3 °C Concentration: 1 other: Remarks on result: 'other:'
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Serious eye damage/irritation : Causes serious eye irritation.
pH: 2.6 – 3

ACID BLUE 1 (129-17-9)

pH	10.37 Temp.: 30,3 °C Concentration: 1 other: Remarks on result: 'other:'
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Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : This mixture is not classified as a carcinogen.

ACID BLUE 1 (129-17-9)

IARC group	3 - Not classifiable
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Reproductive toxicity	: This mixture has no reproductive/foetal harm classifications and is not expected to be a risk to expectant mothers.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

ACID BLUE 1 (129-17-9)

NOAEL (oral, rat, 90 days)	375 mg/kg bodyweight Animal: rat, Guideline: other:
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Aspiration hazard	: Not classified
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Viscosity, kinematic	Not applicable
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sodium carbonate (497-19-8)

Viscosity, kinematic	Not applicable
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ISOBORNYL ACETATE (125-12-2)

Viscosity, kinematic	4525 mm ² /s Temp.: '40°C' Parameter: 'kinematic viscosity (in mm ² /s)'
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Normal use solutions of this product are not classified for environmental harm.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Note:- Comment refers to the concentrated product, use solutions are unclassified.
Not rapidly degradable	

ACID BLUE 1 (129-17-9)

LC50 - Fish [1]	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 72h - Algae [1]	56.3 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

ISOBORNYL ACETATE (125-12-2)

LC50 - Fish [1]	10 – 18 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	19.3 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 16.6 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

12.2. Persistence and degradability

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Persistence and degradability	The surfactant(s) contained in this preparation 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.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not expected to Bioaccumulate.
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ACID BLUE 1 (129-17-9)

Partition coefficient n-octanol/water (Log Pow)	-2.783 Source: ECHA
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Safety Data Sheet

According to GB and EU REACH and CLP Regulations

ISOBORNYL ACETATE (125-12-2)

Partition coefficient n-octanol/water (Log Pow)	3.86 Source: IUCLID
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12.4. Mobility in soil

JANGRO TOILET CLEANER & DESCALER SACHETS

Additional information	soluble in water
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ISOBORNYL ACETATE (125-12-2)

Mobility in soil	1730 Source: EPISUITE
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12.5. Results of PBT and vPvB assessment

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This product does not contain any substances classified as PBT

This product does not contain any substances classified as vPvB.

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Disposal of this product must comply with local and national environmental legislation.
Sewage disposal recommendations	: Small volumes of use solution can be disposed of to sewage drains.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

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According to GB and EU REACH and CLP Regulations

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content : Contains no VOCs

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

GB REACH and CLP regulations.

UK HSE EH40 Publication.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road

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Safety Data Sheet

According to GB and EU REACH and CLP Regulations

Abbreviations and acronyms:	
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H315	Causes skin irritation.
H319	Causes serious eye irritation.

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Safety Data Sheet

According to GB and EU REACH and CLP Regulations

Full text of H- and EUH-statements:

H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.