SAFETY DATA SHEET

BG050 FOAM CLEANER

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

1.1. Product identifier

Product name BG050 FOAM CLEANER

Product number A5100

Internal identification A5100

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

Identified uses Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Supplier

JANGRO LTD
JANGRO HOUSE
WORSLEY ROAD
FARNWORTH
BOLTON
BL4 9LU
0845 458 5223
enquiries@jangrohq.net

Manufacturer

1.4. Emergency telephone number

Emergency telephone +44 (0) 777 8505 330

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards
Aerosol 1 - H222, H229

Health hazards
Eye Irrit. 2 - H319

Environmental hazards
Not Classified

Classification (67/548/EEC or 1999/45/EC)
F+;R12.

2.2. Label elements

Pictogram


Signal word Danger

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated
H319 Causes serious eye irritation.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P260 Do not breathe vapour/spray.
P271 Use only outdoors or in a well-ventilated area.
P501 Dispose of contents/container in accordance with local regulations.

Contains HYDROCARBON PROPELLANT

Detergent labelling 5 - < 15% aliphatic hydrocarbons, < 5% anionic surfactants, < 5% perfumes

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

HYDROCARBON PROPELLANT **1-5%**

CAS number: 68476-85-7 **EC number:** 270-704-2

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Gas 1 - H220 Press. Gas, Liquefied - H280	F+;R12.

PROPAN-2-OL **1-5%**

CAS number: 67-63-0 **EC number:** 200-661-7 **REACH registration number:** 01-2119457558-25-xxxx

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336 STOT SE 3 - H336	F;R11 Xi;R36 R67

SODIUM LAUROYL SARCOSINATE **1-5%**

CAS number: 137-16-6 **EC number:** 205-281-5 **REACH registration number:** 01-2119527780-39-xxxx

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318	T;R23. Xi;R41,R38.

BG050 FOAM CLEANER

SODIUM NITRITE	<1%
CAS number: 7632-00-0 **EC number:** 231-555-9 **REACH registration number:** 01-2119471836-27-xxxx **M factor (Acute) =** 1	

Classification	Classification (67/548/EEC or 1999/45/EC)
Ox. Sol. 3 - H272 Acute Tox. 3 - H301 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400	O;R8 T;R25 N;R50

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 and keep warm and at rest in a position comfortable for breathing.

Ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.

Skin contact

Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

Eye contact

Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation

Upper respiratory irritation.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged skin contact may cause redness and irritation.

Eye contact

Causes serious eye irritation.

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

Notes for the doctor

Treat symptomatically.

Specific treatments

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish with foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Extremely flammable aerosol. Pressurised container: may burst if heated

Hazardous combustion products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO_2).

5.3. Advice for firefighters

BG050 FOAM CLEANER

Protective actions during firefighting

Use water to keep fire exposed containers cool and disperse vapours.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Wear protective gloves, eye and face protection. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Wash thoroughly after dealing with a spillage.

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Eliminate all sources of ignition. Provide adequate ventilation. Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid inhalation of vapours/spray and contact with skin and eyes. Provide adequate ventilation. Do not pierce or burn, even after use. Do not expose to temperatures exceeding 50°C/122°F. Wear protective gloves, eye and face protection. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store at temperatures between 4°C and 40°C. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Storage class

Flammable compressed gas 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

HYDROCARBON PROPELLANT

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m3
Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m3

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m3
Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m3

WEL = Workplace Exposure Limit

BG050 FOAM CLEANER

PROPAN-2-OL (CAS: 67-63-0)

DNEL
Industry - Dermal; Long term systemic effects: 888 mg/kg/day
Industry - Inhalation; Long term systemic effects: 500 mg/m3
Consumer - Dermal; Long term systemic effects: 319 mg/kg/day
Consumer - Oral; Long term systemic effects: 26 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 89 mg/m3

PNEC
- Fresh water; 140.9 mg/l
- Marine water; 140.9 mg/l
- Intermittent release; 140.9 mg/l
- Sediment (Freshwater); 552 mg/kg
- Sediment (Marinewater); 552 mg/kg
- STP; 2251 mg/l
- Soil; 28 mg/kg

SODIUM LAUROYL SARCOSINATE (CAS: 137-16-6)

DNEL
Consumer - Dermal; : 0.34 mg/kg/day
Industry - Dermal; : 3.43 mg/kg/day
Professional - Dermal; : 3.43 mg/kg/day
Consumer - Inhalation; : 0.01 mg/m3
Industry - Inhalation; : 0.1 mg/m3
Professional - Inhalation; : 0.5 mg/m3

PNEC
Consumer - Fresh water; 0.0297 mg/l
Consumer - Marine water; 0.003 mg/l
Consumer - Soil; 0.012 mg/kg
Consumer - STP; >10 mg/l
Consumer - Sediment (Freshwater); 0.034 mg/kg
Consumer - Sediment (Marinewater); 0.0034 mg/kg

3-BUTOXYPROPAN-2-OL (CAS: 5131-66-8)

DNEL
Workers - Inhalation; Long term systemic effects: 270.5 mg/m³
Workers - Dermal; Long term systemic effects: 44 mg/kg/day
General population - Inhalation; Long term systemic effects: 33.8 mg/m³
General population - Dermal; Long term systemic effects: 16 mg/kg/day
General population - Oral; Long term systemic effects: 8.75 mg/kg/day

PNEC
- Fresh water; 0.525 mg/l
- Marine water; 0.0525 mg/l
- Intermittent release; 5.25 mg/l
- STP; 10 mg/l
- Sediment (Freshwater); 2.36 mg/kg
- Sediment (Marinewater); 0.236 mg/kg
- Soil; 0.16 mg/kg

Sulphuric acid, mono-C12-14-alkyl esters, sodium salts (CAS: 85586-07-8)

DNEL
Workers - Dermal; Long term systemic effects: 4060 mg/kg/day
Workers - Inhalation; Long term systemic effects: 285 mg/m³
General population - Oral; Long term systemic effects: 24 mg/kg/day
General population - Dermal; Long term systemic effects: 2440 mg/kg/day
General population - Inhalation; Long term systemic effects: 85 mg/m³

PNEC
- Fresh water; 0.102 mg/l
- Marine water; 0.01 mg/l
- Intermittent release; 0.036 mg/l
- Sediment (Freshwater); 3.58 mg/kg
- Sediment (Marinewater); 0.358 mg/kg
- Soil; 0.654 mg/kg
- STP; 1084 mg/l

BG050 FOAM CLEANER

SODIUM NITRITE (CAS: 7632-00-0)

DNEL	Industry - Inhalation; Short term systemic effects: 2 mg/m3 Industry - Inhalation; Long term systemic effects: 2 mg/m3
PNEC	- Fresh water; .0054 mg/l - Sediment (Freshwater); .0195 mg/kg - Intermittent release; .0054 mg/l - Sediment (Marinewater); .0223 mg/kg - Marine water; .00616 mg/l - STP; 21 mg/l - Soil; .000733 mg/kg

8.2. Exposure controls

Protective equipment


Appropriate engineering controls

Provide adequate ventilation.

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: Tight-fitting safety glasses.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC).

Hygiene measures

Wash hands thoroughly after handling.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Aerosol.

Solubility(ies)

Soluble in water.

9.2. Other information

Other information

Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Not determined.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

BG050 FOAM CLEANER

Materials to avoid

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

None at ambient temperatures.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)

78,616.35220126

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)

108.05704377

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

May cause discomfort if swallowed.

Skin contact

Product has a defatting effect on skin.

Eye contact

Causes serious eye irritation.

Toxicological information on ingredients.

HYDROCARBON PROPELLANT

Toxicological effects

No information available.

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)

20.01

Species

Rat

ATE inhalation (vapours mg/l)

20.01

Reproductive toxicity

Reproductive toxicity - development

No information available.

BG050 FOAM CLEANER

PROPAN-2-OL

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)

4,700.0

Species

Rat

ATE oral (mg/kg)

4,700.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)

16.4

Species

Rabbit

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Skin contact

Prolonged contact may cause dryness of the skin.

Eye contact

Irritating to eyes.

SODIUM LAUROYL SARCOSINATE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)

5,001.0

Species

Rat

ATE oral (mg/kg)

5,001.0

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)

1.67

SECTION 12: Ecological Information

Ecotoxicity

Not regarded as dangerous for the environment.

Ecological information on ingredients.

PROPAN-2-OL

Ecotoxicity

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

12.1. Toxicity

Acute toxicity - fish

Not determined.

BG050 FOAM CLEANER

Ecological information on ingredients.

HYDROCARBON PROPELLANT

Acute toxicity - fish

Not determined.

PROPAN-2-OL

Not considered toxic to fish.

Acute toxicity - fish

LC50, 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates

EC_{50}, : 9714 mg/l, Daphnia magna EC_{50}, 48 hours: >100 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC_{50}, 72 hours: > 100 mg/l, Scenedesmus subspicatus IC_{50}, 72 hours: >100 mg/l, Algae

SODIUM LAUROYL SARCOSINATE

Acute toxicity - fish

LC50, 96 hours: 107 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates

, 48 hours: 29.7 mg/l, Daphnia magna

Acute toxicity - microorganisms

, 3 hours: > 1000 mg/l, Activated sludge

12.2. Persistence and degradability

Persistence and degradability

The product is expected to be biodegradable.

Ecological information on ingredients.

PROPAN-2-OL

Persistence and degradability

The product is readily biodegradable.

SODIUM LAUROYL SARCOSINATE

Persistence and degradability

This surfactant complies 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

The product is not bioaccumulating.

Ecological information on ingredients.

PROPAN-2-OL

The product is not bioaccumulating.

12.4. Mobility in soil

Mobility

The product is soluble in water.

Ecological information on ingredients.

PROPAN-2-OL

Mobility

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

BG050 FOAM CLEANER

This substance is not classified as PBT or vPvB according to current EU criteria.

Ecological information on ingredients.

PROPAN-2-OL

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Not determined.

Ecological information on ingredients.

PROPAN-2-OL

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
UN No. (ADN)	1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS
Proper shipping name (ADN)	AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class	2.1
IMDG class	2.1
ICAO class/division	2.1

Transport labels

14.4. Packing group

ADR/RID packing group	5F

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Tunnel restriction code	(D)

BG050 FOAM CLEANER

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

National regulations

Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation

Commission Regulation (EU) No 453/2010 of 20 May 2010. 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).

Guidance

Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date	18/05/2015
Revision	3.0
Supersedes date	30/03/2012

Risk phrases in full

R11 Highly flammable.
R12 Extremely flammable.
R23 Toxic by inhalation.
R25 Toxic if swallowed.
R36 Irritating to eyes.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.
R67 Vapours may cause drowsiness and dizziness.
R8 Contact with combustible material may cause fire.

Hazard statements in full

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H229 Pressurised container: may burst if heated
H272 May intensify fire; oxidiser.
H280 Contains gas under pressure; may explode if heated.
H301 Toxic if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.

Disclaimer

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.