

SAFETY DATA SHEET**BG055 STAINLESS STEEL CLEANER****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name BG055 STAINLESS STEEL CLEANER

Product number A5715

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

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

Elicitation (Skin Sens.)

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

EUH208 Contains 2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL. May produce an allergic reaction.

Precautionary statements

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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.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Supplementary precautionary statements

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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

REFINED MINERAL OIL		10-30%
CAS number: 8042-47-5 EC number: 232-455-8 REACH registration number: 01-2119487078-27-xxxx		
Classification Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) Xn;R65.	
HYDROCARBON PROPELLANT		10-30%
CAS number: 68476-85-7 EC number: 270-704-2		
Classification Flam. Gas 1 - H220 Press. Gas, Liquefied - H280	Classification (67/548/EEC or 1999/45/EC) F+;R12.	
ISOPARAFFINIC HYDROCARBON		5-10%
CAS number: — EC number: 923-037-2 REACH registration number: 01-2119471991-29-XXXX		
Classification Flam. Liq. 3 - H226 Asp. Tox. 1 - H304 Aquatic Chronic 4 - H413	Classification (67/548/EEC or 1999/45/EC) Xn;R65. R10,R53,R66.	
2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL		<1%
CAS number: 4719-04-4 EC number: 225-208-0 REACH registration number: 01-2119529226-41-XXXX		
Classification Acute Tox. 4 - H302 Acute Tox. 2 - H330 Skin Sens. 1 - H317 STOT RE 1 - H372	Classification (67/548/EEC or 1999/45/EC) Xn;R22 R43	

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. Get medical attention if any discomfort continues.

Ingestion

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

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Skin contact

Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact

Rinse immediately with plenty of water. Get medical attention if any discomfort continues.

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

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged skin contact may cause redness and irritation.

Eye contact

May cause discomfort.

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

Use fire-extinguishing media suitable for the surrounding fire.

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 (CO₂).

5.3. Advice for firefighters

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 contact with skin and eyes. Provide adequate ventilation. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant.

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. Contain and absorb spillage with sand, earth or other non-combustible material. Flush away spillage with plenty of water.

6.4. Reference to other sections

Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

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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 contact with skin, eyes and clothing. Do not breathe vapour/spray. Do not expose to temperatures exceeding 50°C/122°F. Provide adequate ventilation. Keep container in a well-ventilated place. Do not pierce or burn, even after use. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store at temperatures between 5°C and 40°C.

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

REFINED MINERAL OIL

Long-term exposure limit (8-hour TWA): 5 mg/m³ (Oil mist)

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

ISOPARAFFINIC HYDROCARBON

Long-term exposure limit (8-hour TWA): WEL 1200 mg/m³

WEL = Workplace Exposure Limit

BG055 STAINLESS STEEL CLEANER**ISOPARAFFINIC HYDROCARBON**

DNEL Industry - Inhalation; : N/A
 Industry - Dermal; : N/A
 Consumer - Inhalation; : N/A
 Consumer - Dermal; : N/A
 Consumer - Oral; : N/A

PNEC - Fresh water; N/A
 - Marine water; N/A
 - Soil; N/A
 - Sediment; N/A
 - STP; N/A
 - Intermittent release; N/A

TRIETHANOLAMINE (CAS: 102-71-6)

DNEL Workers - Inhalation; Long term systemic effects: 5.0 mg/m³
 Workers - Inhalation; Long term local effects: 5.0 mg/m³
 Workers - Dermal; Long term systemic effects: 6.3 mg/kg/day
 General population - Inhalation; Long term systemic effects: 1.25 mg/m³
 General population - Inhalation; Long term local effects: 1.25 mg/m³
 General population - Dermal; Long term systemic effects: 3.1 mg/kg/day
 General population - Oral; Long term systemic effects: 13.0 mg/kg/day

PNEC - Fresh water; 0.32 mg/l
 - Marine water; 0.032 mg/l
 - Intermittent release; 5.12 mg/l
 - STP; 10.0 mg/l
 - Sediment (Freshwater); 1.7 mg/kg
 - Sediment (Marinewater); 0.17 mg/kg
 - Soil; 0.151 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)

Insoluble in water.

9.2. Other information

BG055 STAINLESS STEEL CLEANER

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

Materials to avoid

Flammable/combustible materials.

10.6. Hazardous decomposition products

Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO₂). Hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

May cause discomfort.

Toxicological information on ingredients.

BG055 STAINLESS STEEL CLEANER
REFINED MINERAL OIL

Toxicological effects

No information available.

Acute toxicity - oral**Acute toxicity oral (LD₅₀ mg/kg)**

5,000.0

Species

Rat

No information available.

ATE oral (mg/kg)

5,000.0

Acute toxicity - dermal**Acute toxicity dermal (LD₅₀ mg/kg)**

2000.10

Species

Rabbit

No information available.

ATE dermal (mg/kg)

2000.10

Acute toxicity - inhalation**Acute toxicity inhalation (LC₅₀ vapours mg/l)**

5000.0

Species

Rat

No information available.

ATE inhalation (vapours mg/l)

5000.0

Skin corrosion/irritation**Animal data**

Not irritating.

Skin sensitisation

- : No information available.

Carcinogenicity

No information available.

Reproductive toxicity**Reproductive toxicity - fertility**

No information available.

Reproductive toxicity - development

No information available.

Specific target organ toxicity - single exposure**STOT - single exposure**

No information available.

Specific target organ toxicity - repeated exposure**STOT - repeated exposure**

No information available.

BG055 STAINLESS STEEL CLEANER
HYDROCARBON PROPELLANT

Toxicological effects

No information available.

Acute toxicity - inhalation**Acute toxicity inhalation (LC₅₀ vapours mg/l)**

20.01

Species

Rat

ATE inhalation (vapours mg/l)

20.01

Reproductive toxicity**Reproductive toxicity - development**

No information available.

ISOPARAFFINIC HYDROCARBON

Acute toxicity - oral**Acute toxicity oral (LD₅₀ mg/kg)**

5,000.0

Species

Rat

Estimated value.

ATE oral (mg/kg)

5,000.0

Acute toxicity - dermal**Acute toxicity dermal (LD₅₀ mg/kg)**

5000.0

Species

Rat

ATE dermal (mg/kg)

5000.0

Acute toxicity - inhalation

Estimated value.

SECTION 12: Ecological Information

Ecotoxicity

The product is not expected to be hazardous to the environment.

12.1. Toxicity**Acute toxicity - fish**

Not determined.

BG055 STAINLESS STEEL CLEANER

Ecological information on ingredients.

REFINED MINERAL OIL

Acute toxicity - fish

Not available.

Acute toxicity - aquatic plants

Not available.

Acute toxicity - microorganisms

Not available.

HYDROCARBON PROPELLANT

Acute toxicity - fish

Not determined.

12.2. Persistence and degradability

Persistence and degradability

The product is expected to be biodegradable.

Ecological information on ingredients.

ISOPARAFFINIC HYDROCARBON

Persistence and degradability

The product is expected to be biodegradable.

12.3. Bioaccumulative potential

The product is not bioaccumulating.

Ecological information on ingredients.

ISOPARAFFINIC HYDROCARBON

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility

The product is insoluble in water. The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Ecological information on ingredients.

ISOPARAFFINIC HYDROCARBON

Mobility

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

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

Ecological information on ingredients.

ISOPARAFFINIC HYDROCARBON

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.

ISOPARAFFINIC HYDROCARBON

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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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
ADN class	2.1

Transport labels



14.4. Packing group

ADR/RID packing group	5F
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14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Tunnel restriction code (D)

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.

BG055 STAINLESS STEEL CLEANER**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 27/01/2015

Revision 3.1

Supersedes date 06/01/2015

Risk phrases in full

R10 Flammable.

R12 Extremely flammable.

R35 Causes severe burns.

R53 May cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

Hazard statements in full

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H226 Flammable liquid and vapour.

H229 Pressurised container: may burst if heated

H280 Contains gas under pressure; may explode if heated.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H373 May cause damage to organs (Blood, Liver, Kidneys) through prolonged or repeated exposure.

H413 May cause long lasting harmful effects to aquatic life.

EUH208 Contains 2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL. May produce an allergic reaction.

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.