

SAFETY DATA SHEET

BG065 GRAFFITI REMOVER

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

1.1. Product identifier

Product name BG065 GRAFFITI REMOVER
 Product number A2712
 Internal identification A2712/01

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**
Eye Irrit. 2 - H319 STOT SE 3 - H336 Asp. Tox. 1 - H304
- Environmental hazards**
Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC)

F+;R12. R52/53,R66.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements

H412 Harmful to aquatic life with long lasting effects.
 H222 Extremely flammable aerosol.
 H229 Pressurised container: may burst if heated
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

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.

P260 Do not breathe vapour/spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective clothing, gloves, eye and face protection.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

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.

P501 Dispose of contents/container in accordance with national regulations.

Contains

HYDROCARBON PROPELLANT, Hydrocarbons, C10, aromatics, <1% naphthalene

Detergent labelling

≥ 30% aliphatic hydrocarbons, < 5% non-ionic surfactants

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**

2-METHOXY-1-METHYLETHYL ACETATE	30-60%
CAS number: 108-65-6 EC number: 203-603-9 REACH registration number: 01-2119475791-29-xxxx	
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226	R10
HYDROCARBON PROPELLANT	10-30%
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.
Hydrocarbons, C10, aromatics, <1% naphthalene	10-30%
CAS number: — EC number: 918-811-1 REACH registration number: 01-2119463583-34-xxxx	
Classification	Classification (67/548/EEC or 1999/45/EC)
STOT SE 3 - H336 Asp. Tox. 1 - H304 STOT SE 3 - H336 Aquatic Chronic 2 - H411	Xn;R65. N;R51/53. R66,R67.
Hydrocarbons, C11-14, n-alkanes,cyclic, <2% aromatics	5-10%
CAS number: — EC number: 926-141-6 REACH registration number: 01-2119456620-43-xxxx	
Classification	Classification (67/548/EEC or 1999/45/EC)
Asp. Tox. 1 - H304	Xn;R65. R66.

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ALCOHOL ETHOXYLATE		1-5%
CAS number: 68439-45-2 EC number: —		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	Xn;R22. Xi;R41.	
Eye Dam. 1 - H318		
2-METHOXYPROPYL ACETATE		<1%
CAS number: 70657-70-4 EC number: 274-724-2		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226	R10 Repr. Cat. 2;R61 Xi;R37	
Repr. 1B - H360D		
STOT SE 3 - H335		
STOT SE 3 - H335		

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.

Skin contact

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

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

Vapours may cause drowsiness and dizziness.

Ingestion

Harmful: may cause lung damage if swallowed.

Skin contact

Repeated exposure may cause skin dryness or cracking.

Eye contact

Causes serious eye irritation.

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

Notes for the doctor

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

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Extremely flammable aerosol. Pressurised container: may burst if heated

Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: 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 inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Wear protective clothing, 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 small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. 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. Wear protective clothing, gloves, eye and face protection. Wash hands thoroughly after handling. Provide adequate ventilation. Do not expose to temperatures exceeding 50°C/122°F. Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store at temperatures between 4°C and 40°C. Do not expose to temperatures exceeding 50°C/122°F.

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

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2-METHOXY-1-METHYLETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 274 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 548 mg/m3(Sk)

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

Hydrocarbons, C10, aromatics, <1% naphthalene

Long-term exposure limit (8-hour TWA): WEL 70 ppm 500 mg/m3
Short-term exposure limit (15-minute): WEL 10 ppm 53 mg/m3

Hydrocarbons, C11-14, n-alkanes, cyclic, <2% aromatics

Long-term exposure limit (8-hour TWA): WEL 1000 mg/m3

WEL = Workplace Exposure Limit

2-METHOXY-1-METHYLETHYL ACETATE (CAS: 108-65-6)

DNEL Industry - Dermal; Long term : 153.5 mg/kg/day
Industry - Inhalation; Long term : 275 mg/m³
Consumer - Inhalation; Long term : 33 mg/m³
Consumer - Dermal; Long term : 54.8 mg/kg/day
Consumer - Oral; Long term : 1.67 mg/kg/day

PNEC - Fresh water; 0.635 mg/l
- Marine water; 0.0635 mg/l
- Intermittent release; 6 mg/l
- STP; 100 mg/l
- Sediment (Freshwater); 3.29 mg/kg
- Sediment (Marinewater); 0.329 mg/kg
- Soil; 0.29 mg/kg

Hydrocarbons, C10, aromatics, <1% naphthalene

DNEL Industry - Dermal; Long term local effects: 12.5 mg/kg/day
Industry - Inhalation; Long term local effects: 151 mg/m3
Consumer - Dermal; Long term local effects: 7.5 mg/kg/day
Consumer - Inhalation; Long term local effects: 32 mg/m3
Consumer - Oral; Long term local effects: 7.5 mg/kg/day

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

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9.1. Information on basic physical and chemical properties

Appearance

Aerosol.

pH

Not applicable.

Solubility(ies)

Miscible with 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

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

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

30,303.03030303

Aspiration hazard

Aspiration hazard if swallowed.

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

Harmful: may cause lung damage if swallowed.

Skin contact

Repeated exposure may cause skin dryness or cracking.

Eye contact

Causes serious eye irritation.

Toxicological information on ingredients.

BG065 GRAFFITI REMOVER

2-METHOXY-1-METHYLETHYL ACETATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg)

10,000.0

Species

Rat

ATE oral (mg/kg)

10,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg)

2001.0

Species

Rat

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ gases ppmV)

4400.0

Species

Rat

HYDROCARBON PROPELLANT

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l)

21.0

Species

Rat

ATE inhalation (vapours mg/l)

21.0

BG065 GRAFFITI REMOVER**Hydrocarbons, C11-14, n-alkanes,cyclic, <2% aromatics****Acute toxicity - oral****Acute toxicity oral (LD₅₀ mg/kg)**

5,000.0

Species

Rat

ATE oral (mg/kg)

5,000.0

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

5000.0

Species

Rabbit

ATE dermal (mg/kg)

5000.0

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

5001.0

Species

Rat

ATE inhalation (vapours mg/l)

5001.0

Inhalation

Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion

May cause discomfort if swallowed.

Skin contact

Liquid may irritate skin.

Eye contact

Vapour or spray in the eyes may cause irritation and smarting.

BG065 GRAFFITI REMOVER
ALCOHOL ETHOXYLATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg)

1,200.0

Species

Rat

ATE oral (mg/kg)

1,200.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg)

2000.10

Species

Rat

ATE dermal (mg/kg)

2000.10

SECTION 12: Ecological Information

Ecotoxicity

Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Acute toxicity - fish

Not determined.

Ecological information on ingredients.

2-METHOXY-1-METHYLETHYL ACETATE

Acute toxicity - fish

LC₅₀, 96 hours: 100mg/l Onchorhynchusmykiss (Rainbow trout) mg/l, Fish

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 408-500 mg/l, Daphnia magna

Acute toxicity - aquatic plants

IC₅₀, 72 hours: >1000 mg/l, Algae

Hydrocarbons, C11-14, n-alkanes,cyclic, <2% aromatics

Acute toxicity - fish

LC50, 96 hours: > 1000 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: > 1000 mg/l, Daphnia magna EC₅₀, 48 hours: >250ppm mg/l, Daphnia magna

Acute toxicity - aquatic plants

IC₅₀, 72 hours: 20ppm mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability

The product is expected to be biodegradable.

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Ecological information on ingredients.

2-METHOXY-1-METHYLETHYL ACETATE

Biodegradation

The substance is readily biodegradable.

Hydrocarbons, C11-14, n-alkanes,cyclic, <2% aromatics

Persistence and degradability

The product is biodegradable.

12.3. Bioaccumulative potential

The product is not bioaccumulating.

Ecological information on ingredients.

2-METHOXY-1-METHYLETHYL ACETATE

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility

The product has poor water-solubility. The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Ecological information on ingredients.

2-METHOXY-1-METHYLETHYL ACETATE

Mobility

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

2-METHOXY-1-METHYLETHYL ACETATE

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

Hydrocarbons, C11-14, n-alkanes,cyclic, <2% aromatics

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

12.6. Other adverse effects

Not determined.

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
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BG065 GRAFFITI REMOVER

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

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.

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 13/05/2015

Revision 3.0

Supersedes date 06/03/2012

Risk phrases in full

BG065 GRAFFITI REMOVER

- R10 Flammable.
- R12 Extremely flammable.
- R22 Harmful if swallowed.
- R41 Risk of serious damage to eyes.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R52/53 Harmful to aquatic organisms, 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.
- R67 Vapours may cause drowsiness and dizziness.

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.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H360D May damage the unborn child.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

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.