SAFETY DATA SHEET BLUE GEE BILGEX

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

1.1. Product identifier

Product name BLUE GEE BILGEX

Internal identification L6450

UFI: GSUJ-F0N9-8008-03H9

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

Identified uses Cleaning agent.

Uses advised against

Use only for intended applications.

1.3. Details of the supplier of the safety data sheet

Supplier REABROOK PRIVATE LABEL

RAWDON ROAD,

MOIRA,

SWADLINCOTE, DERBYSHIRE, DE12 6DA.

+44 (0) 1283 222266 +44 (0) 1283 550963 enquiries@reabrook.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0) 777 8505 330 (24 hrs).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H302 Eye Dam. 1 - H318

Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

Hazard pictograms





Signal word Danger

Hazard statements EUH208 Contains terpinolene multiconstituent. May produce an allergic reaction.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements P273 Avoid release to the environment.

P280 Wear protective clothing, gloves, eye and 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. P310 Immediately call a POISON CENTER/ doctor.

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

UFI: GSUJ-F0N9-8008-03H9

Contains (C9-11) ALKYL ALCOHOL ETHOXYLATE

Detergent labelling ≥ 30% non-ionic surfactants, < 5% cationic 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

(C9-11) ALKYL ALCOHOL ETHOXYLATE

30-60%

CAS number: 68439-46-3

Classification

Acute Tox. 4 - H302 Eye Dam. 1 - H318

PROPANE-1,2-DIOL 1-5%

CAS number: 57-55-6 EC number: 200-338-0

Classification

Not Classified

Quaternary ammonium compounds, benzyl-C12-16 (even

<1%

numbered)-alkyldimethyl, chlorides

Classification

Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

BLUE GEE BILGEX

terpinolene multiconstituent <1%

CAS number: — EC number: 938-945-4

Classification

Flam. Liq. 3 - H226 Eye Irrit. 2 - H319 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411

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

General information Show this Safety Data Sheet to the medical personnel. If medical advice is needed, have

product container or label at hand.

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

immediately.

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

Eye contact Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do.

Continue rinsing. Get medical attention immediately.

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

Inhalation Coughing, chest tightness, feeling of chest pressure.

Ingestion Harmful if swallowed.

Skin contact May cause skin sensitisation or allergic reactions in sensitive individuals. Prolonged contact

may cause dryness of the skin.

Eye contact Causes serious eye damage.

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 Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion Thermal decomposition or combustion products may include the following substances:

products Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO2). Nitrous gases (NOx).

5.3. Advice for firefighters

Protective actions during No specific firefighting precautions known.

firefighting

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure procedures and training for emergency decontamination and disposal are in place. Keep unnecessary and unprotected personnel away from the spillage. No action shall be taken without appropriate training or involving any personal risk. Evacuate area. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Take care as floors and other surfaces may become slippery. Avoid contact with contaminated tools and objects. Do not handle broken packages without protective equipment. 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

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Clean contaminated objects and areas thoroughly, observing environmental regulations. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Observe any occupational exposure limits for the product or ingredients. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid release to the environment. Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Do not eat, drink or smoke when using this product. Do not empty into drains. Do not reuse empty containers. 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.

Storage class Miscellaneous hazardous material 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

PROPANE-1,2-DIOL

Long-term exposure limit (8-hour TWA): WEL 150 ppm 474 mg/m³ total vapour and particulates Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate

WEL = Workplace Exposure Limit.

PROPANE-1,2-DIOL (CAS: 57-55-6)

DNEL Industry - Inhalation; Long term systemic effects: 168 mg/m³

Consumer - Inhalation; Long term systemic effects: 50 mg/m³ Industry - Inhalation; Long term local effects: 10 mg/m³ Consumer - Inhalation; Long term local effects: 10 mg/m³

PNEC - Fresh water; 260 mg/l

- marine water; 26 mg/l - STP; 20000 mg/l

Sediment (Freshwater); 572 mg/kgSediment (Marinewater); 57.2 mg/kg

- Soil; 50 mg/kg

- Intermittent release; 183 mg/l

Quaternary ammonium compounds, benzyl-C12-16 (even numbered)-alkyldimethyl, chlorides (CAS: 68424-85-1)

DNEL Industry - Dermal; Long term systemic effects: 5.7 mg/kg/day

Industry - Inhalation; Long term systemic effects: 3.96 mg/m³ Consumer - Oral; Long term systemic effects: 3.4 mg/kg/day Consumer - Dermal; Long term systemic effects: 3.4 mg/kg/day Consumer - Inhalation; Long term systemic effects: 1.64 mg/m³

PNEC - Fresh water; .0009 mg/l

marine water; .00096 mg/l
Intermittent release; .00016 mg/l
Sediment (Freshwater); 12.27 mg/kg
Sediment (Marinewater); 13.09 mg/kg

Soil; 7.0 mg/kgSTP; 0.4 mg/l

8.2. Exposure controls

Protective equipment







Appropriate engineering controls

Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment that provides appropriate eye and face protection should be worn. The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Protective gloves should have a minimum thickness of 0.15 mm. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application. Gloves made from the following material may provide suitable chemical protection: Neoprene. Nitrile rubber. Rubber (natural, latex).

Other skin and body protection

Provide eyewash station.

Hygiene measures

Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

Respiratory protection

No specific requirements are anticipated under normal conditions of use. If ventilation is inadequate, suitable respiratory protection must be worn. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Ensure all respiratory protective equipment is suitable for its intended use and is 'UKCA'-marked. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Gas and combination filter cartridges suitable for intended use should be used. Disposable filtering half mask respirators suitable for intended use should be used. Half mask and quarter mask respirators with replaceable filter cartridges suitable for intended use should be used. Particulate filters should comply with European Standard EN143. Check that the respirator fits tightly and the filter is changed regularly. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3. Organic vapour + dust and mist filter.

Environmental exposure controls

Store in a demarcated bunded area to prevent release to drains and/or watercourses. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Slightly viscous liquid.

Colour Blue.

Odour Detergent.

pH Not determined.

Melting point Not determined.

Initial boiling point and range Not determined.

Flash point Not applicable.

BLUE GEE BILGEX

Not determined. **Evaporation rate** Flammability (solid, gas) Not applicable.

Upper/lower flammability or

Decomposition Temperature

explosive limits

Not applicable.

Other flammability Not applicable. Vapour pressure Not determined. ~ 1.00 @ 25°C Relative density Solubility(ies) Soluble in water.

Partition coefficient Not determined.

Auto-ignition temperature Not applicable.

Viscosity Not determined.

Explosive properties There are no chemical groups present in the product that are associated with explosive

properties.

Not applicable.

Oxidising properties There are no chemical groups present in the product that are associated with oxidising

properties.

Comments Information declared as "Not available" or "Not applicable" is not considered to be relevant to

the implementation of the proper control measures.

9.2. Other information

Other information Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

Possibility of hazardous

Not determined.

reactions

10.4. Conditions to avoid

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

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

Hazardous decomposition Thermal decomposition or combustion products may include the following substances: products

Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO2). Nitrous gases (NOx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

BLUE GEE BILGEX

Acute toxicity - oral

Notes (oral LD₅₀) Harmful if swallowed.

ATE oral (mg/kg) 655.2

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation Not determined.

Skin sensitisation

Skin sensitisation May cause sensitisation or allergic reactions in sensitive individuals. Based on available data

the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitroDoes not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

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

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

Inhalation Coughing, chest tightness, feeling of chest pressure.

Ingestion Harmful if swallowed.

Skin contact May cause sensitisation or allergic reactions in sensitive individuals. Prolonged contact may

cause dryness of the skin.

Eye contact Causes serious eye damage.

Acute and chronic health

hazards

Corneal damage. May cause allergic contact eczema.

Route of exposure Ingestion Skin and/or eye contact

Target organs Eyes Skin

Medical symptoms Allergic rash.

Toxicological information on ingredients.

BLUE GEE BILGEX

(C9-11) ALKYL ALCOHOL ETHOXYLATE

Acute toxicity - oral

Acute toxicity oral (LD₅o

mg/kg)

301.0

Species Rat

Notes (oral LD₅₀)

ATE oral (mg/kg) 301.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,000.1

mg/kg)

Species Rat

ATE dermal (mg/kg) 2,000.1

PROPANE-1,2-DIOL

Acute toxicity - oral

Acute toxicity oral (LD50

mg/kg)

20,000.0

Species Rat

ATE oral (mg/kg) 20,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,001.0

mg/kg)

Species Rabbit

ATE dermal (mg/kg) 2,001.0

Acute toxicity - inhalation

Acute toxicity inhalation

(LC50 vapours mg/l)

Species Rabbit

ATE inhalation (vapours 317.0

mg/l)

Quaternary ammonium compounds, benzyl-C12-16 (even numbered)-alkyldimethyl, chlorides

Acute toxicity - oral

Acute toxicity oral (LD50

397.5

317.0

mg/kg)

Species Rat

ATE oral (mg/kg) 397.5

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 3,412.0

mg/kg)

BLUE GEE BILGEX

Species Rabbit

SECTION 12: Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish Not determined.

Chronic aquatic toxicity

Chronic toxicity - fish early life Not determined.

stage

Ecological information on ingredients.

PROPANE-1,2-DIOL

Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: 40613 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic

invertebrates

 EC_{50} , 48 hours: > 4000 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

EC₅₀, 96 hours: 19000 mg/l, Selenastrum capricornutum

Quaternary ammonium compounds, benzyl-C12-16 (even numbered)-alkyldimethyl, chlorides

Acute aquatic toxicity

LE(C)₅₀ $0.01 < L(E)C50 \le 0.1$

M factor (Acute) 10

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours: 0.03 mg/l mg/l, Daphnia magna

Acute toxicity - aquatic

plants

EC₅o, 96 hours: ~ 0.06 mg/l, Selenastrum capricornutum

Chronic aquatic toxicity

M factor (Chronic) 1

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

12.3. Bioaccumulative potential

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

Partition coefficient Not determined.

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

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

assessment

12.6. Other adverse effects

BLUE GEE BILGEX

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methodsDisposal of this product, process solutions, residues and by-products should at all times

comply with the requirements of environmental protection and waste disposal legislation and

any local authority requirements.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods

(IMDG, IATA, ADR/RID).

Special Provisions note

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport labels

No transport warning sign required.

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 MARPOL 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

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

The Detergents Regulations 2010 (SI 2010 No. 740) (as amended). The Detergents (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 612) (as amended). The Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 671) (as amended).

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as

amended).

Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by

Road.

ATE: Acute Toxicity Estimate.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.

EC₅₀: 50% of maximal Effective Concentration. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods.

LC50: Lethal Concentration to 50 % of a test population.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

NOEC: No Observed Effect Concentration.

PBT: Persistent, Bioaccumulative and Toxic substance.

PNEC: Predicted No Effect Concentration.

REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.

UN: United Nations.

vPvB: Very Persistent and Very Bioaccumulative.

Classification abbreviations

and acronyms

Acute Tox. = Acute toxicity

Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Asp. Tox. = Aspiration hazard Eye Dam. = Serious eye damage

Eye Irrit. = Eye irritation
Flam. Liq. = Flammable liquid
Skin Corr. = Skin corrosion
Skin Sens. = Skin sensitisation

Classification procedures according to SI 2019 No. 720

Acute Tox. 4 - H302, Eye Dam. 1 - H318, Aquatic Chronic 3 - H412, EUH208: Calculation

method., Expert judgement.

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

Revision date 02/03/2022

Revision 4.0

Supersedes date 31/08/2016

SDS number 14144

Hazard statements in full H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

EUH208 Contains terpinolene multiconstituent. May produce an allergic reaction.

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.