



MATERIAL SAFETY DATA SHEET

BUG OFF

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

1.1. Product identifier

Product name BUG OFF

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

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier RUDDY GOOD GROUP LTD

1.4. Emergency telephone number

Emergency telephone +44 (0)1444 237 710 (Mon-Fri 8:00am-5:00pm GMT)

National emergency telephone +44 (0)870 600 6266 [UK National Poisons Control Information Service (NPIS) Center] number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture Classification (SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC Not Classified

Precautionary statements P102 Keep out of reach of children.
P103 Read label before use.
P261 Avoid breathing vapour/ spray.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water or shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/ attention.
Storage Information: Store in original sealed container and protect from extremes of temperature.

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Supplemental label information	Contains Orange terpenes. May produce an allergic reaction. <5% anionic surfactants, <5% non-ionic surfactants, <5% amphoteric surfactants, <5% Orange terpenes, <5% EDTA <5% perfumes, Preservatives: 1,2-benzisothiazol-3(2H)-one (BIT), 2-Methyl-1,2-thiazol-3(2H)-one (MIT).
Detergent Labelling	<5% anionic surfactants , <5% non-ionic surfactants , <5% amphoteric surfactants , <5% Orange Terpenes , <5% EDTA , <5% perfumes , Preservatives: 1,2-benzisothiazol-3(2H)-one (BIT) , 2-Methyl-1,2-thiazol-3(2H)-one (MIT) .

2.3. Other hazards

SECTION 3: Composition/information on ingredients

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	If in doubt, get medical attention promptly.
Inhalation	Avoid inhalation of vapour mist or spray. Remove person to fresh air and keep comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Give plenty of water to drink. 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	Wash with plenty of water. Get medical attention if irritation persists after washing.

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

General information	Treat symptomatically.
Inhalation	May cause respiratory system irritation.
Ingestion	No harmful effects expected from quantities likely to be ingested by accident.
Skin contact	May be slightly irritating to skin.
Eye contact	May irritate eyes.

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

Notes for the doctor	Treat symptomatically.
Specific treatments	Not applicable.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Not applicable.

5.2. Special hazards arising from the substance or mixture

Specific hazards	The product is non-combustible. None known.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO). Avoid breathing dusts, vapours or fumes from burning materials. In case of inhalation of decomposition products in a fire, symptoms may be delayed.

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5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours.

Special protective equipment Firefighter's clothing will provide a basic level of protection for chemical incidents. Wear for firefighters positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with eyes and prolonged skin contact.

For non-emergency personnel No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

6.2. Environmental precautions

Environmental precautions No negative effects on the aquatic environment are known. Not regarded as dangerous for the environment. 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 Absorb spillage with sand or other inert absorbent. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

Reference to other sections For safe handling, see Section 7 For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with eyes and prolonged skin contact.

Advice on general occupational hygiene Clean equipment and the work area every day. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Container must be kept tightly closed when not in use.

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

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. 2-butoxyethanol

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m³

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Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m³

Sk

sodium hydroxide

WEL: Short Term Exposure Limit (STEL): 2 mg/m³

Sk = Can be absorbed through the skin.

alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)

DNEL	Workers - Dermal; Long term systemic effects: 2750 mg/kg/day Workers - Inhalation; Long term systemic effects: 175 mg/m ³ General population - Oral; Long term systemic effects: 15 mg/kg/day General population - Dermal; Long term systemic effects: 1650 mg/kg/day General population - Inhalation; Long term systemic effects: 52 mg/m ³
PNEC	Fresh water; 0.24 mg/l marine water; 0.024 mg/l Intermittent release; 0.071 mg/l Sediment (Freshwater); 5.45 mg/kg Sediment (Marinewater); 0.545 mg/kg Soil; 0.946 mg/kg STP; 10 000 mg/l

2-butoxyethanol (CAS: 111-76-2)

Ingredient comments	WEL = Workplace Exposure Limit
DNEL	Industry - Dermal; Short term systemic effects: 89 mg/kg/day Industry - Inhalation; Short term systemic effects: 1091 mg/m ³ Industry - Inhalation; Short term local effects: 246 mg/m ³ Industry - Dermal; Long term systemic effects: 125 mg/kg/day Industry - Inhalation; Long term systemic effects: 98 mg/m ³ Consumer - Inhalation; Short term systemic effects: 426 mg/m ³ Consumer - Oral; Short term systemic effects: 26.7 mg/kg/day Consumer - Dermal; Short term systemic effects: 89 mg/kg/day Consumer - Dermal; Long term systemic effects: 75 mg/kg/day Consumer - Inhalation; Long term local effects: 147 mg/m ³ Consumer - Inhalation; Long term systemic effects: 59 mg/m ³ Consumer - Oral; Long term systemic effects: 6.3 mg/kg/day
PNEC	Fresh water; 8.8 mg/l marine water; 0.88 mg/l Sediment (Freshwater); 8.14 mg/kg Sediment (Marinewater); 3.46 mg/kg Soil; 2.8 mg/kg STP; 463 mg/l

sodium hydroxide (CAS: 1310-73-2)

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DNEL

Industry - Inhalation; Long term local effects: 1 mg/m³Consumer - Inhalation; Long term local effects: 1 mg/m³8.2. Exposure controls

Protective equipment



Appropriate engineering controls	Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.
Eye/face protection	Chemical splash goggles.
Hand protection	Wear protective gloves.
Hygiene measures	Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated. Wash contaminated clothing before reuse.
Respiratory protection	No specific recommendations.
Environmental exposure controls	Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

<u>9.1. Information on basic physical</u>	<u>al and chemical properties</u>
Appearance	Clear liquid.
Colour	Orange.
Odour	Citrus.
pH	pH (concentrated solution): 9.5
Relative density	1.000 @ 20° C

9.2. Other information

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 None known. reactions

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight. Avoid freezing.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong reducing agents. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition May emit toxic fumes under fire conditions. products

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SECTION 11: Toxicological information11.1. Information on toxicological effects

Inhalation	Vapours may irritate throat/respiratory system.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	May cause irritation.

SECTION 12: Ecological information

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

12.1. Toxicity

Toxicity Not applicable.

12.2. Persistence and degradability

Persistence and degradability The product is biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment 12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

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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 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	Only trained personnel should use this material.
Issued by	HS&E Manager.
Revision date	20/08/22
Revision	6
Supersedes date	17/12/2021
SDS number	4542
Hazard statements in full	EUH208 Contains orange terpenes. May produce an allergic reaction.
Code	
Other Information	

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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.