



SAFETY DATA SHEET

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Issued: 24/05/2023; Revision No.1
GB Regulation S.I. 2020 No. 1577

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier

Material name : In Defiance of Rust
Product code :

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

Product use : Anti-corrosive coating

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Go Pro Chemicals
Unit 5B
Molesworth Business Estate
Molesworth
Cambridgeshire
PE28 0QG

Tel. : 01832 279279

Email (for SDSs) : info@goprochemicals.co.uk

1.4 Emergency tel. no. : 01832 279279

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to GB Classification, Labelling and Packaging of Substances and Mixtures Regulation (CLP):

| | |
|-------------------------------|----------------|
| Physical and Chemical Hazards | Not classified |
| Human health | Not classified |
| Environment | Not classified |

2.2 Label elements

Labelling according to GB CLP:

Signal word: None required.

Pictograms: None required.

Hazard statements: None required.

Precautionary
statements:

| | |
|------|--------------------------------------|
| P102 | Keep out of reach of children. |
| P264 | Wash skin thoroughly after handling. |

2.3 Other hazards: The product does not contain any vPvB or PBT substances.

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures:****Hazardous components**

| Chemical Name | CAS No./ EC No./ Index No./ Reg. No | Classification (CLP) | Content |
|-----------------|--|---|-----------|
| BARIUM SULFATE | 7727-43-7 231-784-4 - 01-2119491274-35 | Not classified but has a WEL | >10-≤25% |
| TANNINS | 1401-55-4 215-753-2 - 01-2120743029-56 | Eye Irrit.2; H319 | >2.5-≤10% |
| 2-BUTOXYETHANOL | 111-76-2 203-905-0 603-014-00-0 01-2119475108-36-xxxx | Ac. Tox.4; H302, H332 Sk. Irrit.2; H315 Eye Irrit 2; H319 | >1-≤2.5% |

Substance classifications are taken from the GB Mandatory Classification and Labelling (MCL) list, or if absent, from supplier's information.

See Section 16 for the full text of the H-statements noted above.

4. FIRST AID MEASURES**4.1 Description of first aid measures**

General advice: Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

Skin contact: Wash skin thoroughly with soap and warm water. Dry skin and apply replenishing cream.

Eye contact: Rinse with water for 15 minutes and seek medical advice if irritation persists.

Ingestion: Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

Inhalation: No undue effects in normal circumstances, if affected remove to fresh air and seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed: May cause irritation to skin with prolonged contact. May cause eye irritation.

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

5. FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media: Product is non-flammable; use appropriate extinguishing media for the surrounding area.
Unsuitable extinguishing media: Water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: None known.

5.3 Advice for fire-fighters:

Special protective equipment: Wear self-contained breathing apparatus. Use personal protective equipment.

Further information: Standard fire-fighting procedures.
Do not allow fire run-off to enter drains.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

6.2 Environmental precautions

Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

6.3 Methods and materials for containment and cleaning up

Carefully sweep up spillage, avoid causing high dust levels, and place in a labelled container for disposal in accordance with local/national regulations.

6.4 References to other sections: See sections 8 and 13 for personal protection and disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling: Avoid contact with skin and eyes. Handle with care.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area between 5°C and 25°C. Keep container tightly closed.

7.3 Specific end use(s): No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters:**

| Chemical name | 8hr TWA | 15min STEL | Comments | Reference |
|-----------------|---|-------------------------------|---------------------------------------|-----------|
| Barium sulfate | 10 mg/m ³ 4 mg/m ³ | - | (Inhalable dust) (Respirable dust) | EH40/2005 |
| 2-butoxyethanol | 123 mg/m ³ /25 ppm | 246 mg/m ³ /50 ppm | (Sk); BMGV | EH40/2005 |

Ingredients with Biological Monitoring Guidance Values (BMGV):

| 2-butoxyethanol BMGV | Reference |
|---|-----------|
| 240 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: butoxyacetic acid | EH40/2005 |

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DNEL:

| DNEL (workers) | 2-butoxyethanol |
|---------------------------------------|----------------------|
| Chronic systemic effects (dermal) | 125 mg/kg bw/day |
| Chronic systemic effects (inhalation) | 98 mg/m ³ |

| DNEL (consumers) | 2-butoxyethanol |
|---------------------------------------|----------------------|
| Chronic systemic effects (dermal) | 75 mg/kg bw/day |
| Chronic systemic effects (inhalation) | 59 mg/m ³ |
| Chronic systemic effects (oral) | 6.3 mg/kg bw/day |

PNEC:

| Environment | 2-butoxyethanol |
|---------------------------------------|-----------------|
| Aquatic Compartment | |
| Fresh water | 8.8 mg/l |
| Marine water | 8.8 mg/l |
| Water-intermittent (sporadic) release | - |
| Dry Sediment (fresh water) | 8.14 mg/kg |
| Dry Sediment (marine water) | - |
| Terrestrial Compartment | |
| Dry soil | 2.8 mg/kg |

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Personal protective equipment

Respiratory protection: If Workplace Exposure Limit(s) listed above are exceeded, respiratory protection may be required, in which case use a respirator fitted with an organic vapour/particulate filter.

Hand protection: Wear chemically resistant gloves such as nitrile rubber approved to standard EN 374; material thickness 0.5mm; break through time \geq 8 hours. Gloves must be replaced after 8 hours of wear. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Check with glove manufacturer for specific advice. (Sk) means can be absorbed through skin.

Eye protection: Tightly-fitting safety goggles or glasses conforming to European standard EN 166.

Skin and body protection: General workwear. Wash contaminated clothing before reuse.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink whilst using the product. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use.

Environmental exposure controls: Do not discharge into drains or rivers.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

| | |
|--|--------------------------------|
| State and colour | Whitish liquid |
| Odour | Characteristic |
| Odour Threshold | Not determined |
| Flammability | Not flammable |
| Flash point | Not applicable |
| Lower explosion limit | Not applicable |
| Upper explosion limit | Not applicable |
| Explosive properties | Not explosive |
| Thermal decomposition | No data available |
| Auto-ignition temperature | Not applicable |
| Oxidising properties | Non-oxidising |
| Solubility in water | Fully miscible |
| Solubility in other solvents | Not determined |
| pH | 4.5 |
| Melting point/range | No data available |
| Initial Boiling point | 100°C |
| Density | 1.366 g/cm ³ @ 20°C |
| Vapour pressure | 23 hPa @ 20°C |
| Vapour density | Not determined |
| Partition coefficient: n-octanol/water | Not determined |
| Viscosity (dynamic) | 2,300 mPas @ 20°C |
| Evaporation rate | No data available |

| | |
|------------------------------|---|
| 9.2 Other information | Solvent content: Organic: 2.3%; Water: 38.3% Solids content: 59.4% |
|------------------------------|---|

10. STABILITY AND REACTIVITY

| | |
|--|--------------------------------------|
| 10.1 Reactivity | Generally non-reactive. |
| 10.2 Chemical stability | Stable under normal conditions. |
| 10.3 Possibility of hazardous reactions | None if stored and used as directed. |
| 10.4 Conditions to avoid | None known. |
| 10.5 Incompatible materials | None known. |
| 10.6 Hazardous decomposition products | None known. |

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11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: Based on available data the classification criteria are not met.

| Chemical name | Oral (LD50) | Inhalation (LC50) | Dermal (LD50) |
|-----------------|----------------------|-------------------|-----------------------|
| Barium sulfate | >5000 mg/kg (Rat) | No data available | >2000 mg/kg (Rat) |
| Tannins | 2260 mg/kg (Rat) | No data available | No data available |
| 2-butoxyethanol | 300-2000 mg/kg (Rat) | No data available | 1000-2000 mg/kg (Rat) |

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

Serious eye damage/eye irritation: Based on available data the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data the classification criteria are not met.

Repeated dose toxicity: Based on available data the classification criteria are not met.

Carcinogenicity: Based on available data the classification criteria are not met.

Mutagenicity: Based on available data the classification criteria are not met.

Toxicity for reproduction: Based on available data the classification criteria are not met.

Specific target organ toxicity (STOT): Based on available data the classification criteria are not met.

Aspiration Based on available data the classification criteria are not met.

Further information: No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity Based on available data the classification criteria are not met.

| Chemical name | Species | Test | Value |
|-----------------|---------------|----------|-----------|
| 2-butoxyethanol | Daphnia | EC50 48h | 1800 mg/l |
| | Rainbow trout | LC50 96h | 1474 mg/l |
| | Algae | EC50 72h | 623 mg/l |

12.2 Persistence and degradability Inorganic substances such as barium sulfate are not biodegradable.
2-butoxyethanol is readily biodegradable.

12.3 Bioaccumulative potential Low bioaccumulative potential.

12.4 Mobility in soil Miscible with water.

12.5 Results of PBT and vPvB assessment No PBT or vPvB substances identified.

12.6 Other adverse effects None known.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Disposal operations: Dispose of in accordance with local and national regulations. Do not dispose of waste into sewer.
Do not dispose of together with household waste. Contact licensed waste disposal company.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport purposes. UN number not required.

15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****UK Regulatory References**

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

GB MCL (Mandatory Classification and Labelling).

Statutory Instruments

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

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

Guidance Notes

Health and Safety Executive Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been performed on this product.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with the requirements of the UK REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020. (S.I. 2020 No. 1577).

Classification and procedure used to derive the classification for mixtures according to GB CLP:

| | |
|------------------------|-----------------|
| Physical hazards: | Not classified. |
| Health hazards: | Not classified. |
| Environmental hazards: | Not classified. |

Full text of H-statements referred to under sections 2 and 3

| | |
|------|--------------------------------|
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |

Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Service (division of the American Chemical Society).

DNEL: Derived No Effect Level

PBT: Persistent, Bioaccumulative, Toxic.

PNEC: Predicted No Effect Concentration

STEL: Short-term exposure limit.

STOT: Single Target Organ Toxicity

TWA: Time-weighted average.

UVCB: Unknown or variable composition, complex reaction products or of biological materials.

vPvB: very Persistent and very Bioaccumulative.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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