

SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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Bravo T.W.2 Detergent

Revision 4
Revision date 2023-02-06

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

1.1. Product identifier

Product name	Bravo T.W.2 Detergent
Product code	1089/108910

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

Description	Detergent.
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1.3. Details of the supplier of the safety data sheet

Company	Serchem Limited
Address	Heatherset Arleston, off Dawley Road Wellington, Telford Shropshire TF1 2LY United Kingdom
Web	www.serchem.co.uk
Telephone	01952 223130
Fax	01952 222012
Email	support@serchem.co.uk
Email address of the competent person	production@serchem.co.uk

1.4. Emergency telephone number

Emergency telephone number	01952 223130 9.00 am - 5.00 pm Mon - Fri The National Poisons Information Service (NPIS) Industry: sds.npis@nhs.net Public: NHS 111 (England), NHS 24 (Scotland) or NHS Direct (Wales)
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Further information

Out of office hours contact number 07734 874648 Mr A Arnold.

SECTION 2: Hazards identification

2.2. Label elements

Risk phrases	No Significant Hazard
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2.3. Other hazards

Other hazards	This product is not classed as a PBT Substance.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

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3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
tetrasodium ethylene diamine tetraacetate. . Polyacrylic acid	607-428-00-2	64-02-8	200-573-9			Acute Tox. 4: H302; Eye Dam. 1: H318;
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5			Skin Corr. 1A: H314;
Acrylic acid	607-061-00-8	79-10-7	201-177-9			Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1A: H314; Aquatic Acute 1: H400;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so. Seek medical attention if irritation or symptoms persist.
Eye contact	Avoid contact with eyes. Eye wash bottle with water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove casualty from exposure ensuring one's own safety whilst doing so. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist. Wash with water.
Skin contact	Avoid contact with skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. If you feel unwell, seek medical advice (show the label where possible). Remove all contaminated clothes and footwear immediately unless stuck to skin. Remove casualty from exposure ensuring one's own safety whilst doing so. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist. Wash with water.
Ingestion	DO NOT INDUCE VOMITING. If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person. Remove casualty from exposure ensuring one's own safety whilst doing so. Rinse mouth thoroughly. Seek medical attention if irritation or symptoms persist.

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

Inhalation	Remove the affected person from the source of contamination immediately. Seek medical attention if irritation or symptoms persist.
Eye contact	Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove the affected person from the source of contamination immediately. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist. Wash with water.
Skin contact	Avoid contact with skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. If you feel unwell, seek medical advice (show the label where possible). Remove the affected person from the source of contamination immediately. Rinse immediately with plenty of water. Wash with water.
Ingestion	DO NOT INDUCE VOMITING. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Rinse mouth thoroughly. Seek medical attention if irritation or symptoms persist. Never give anything by mouth to an unconscious person.

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

Inhalation	Remove the affected person from the source of contamination immediately. Seek medical attention if irritation or symptoms persist.
Eye contact	Avoid contact with eyes. Remove the affected person from the source of contamination immediately. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist. Wash with water.
Skin contact	Avoid contact with skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Remove the affected person from the source of contamination immediately. Rinse immediately with plenty of water. Seek medical attention if irritation or

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

Ingestion	<p>symptoms persist. Wash with water.</p> <p>DO NOT INDUCE VOMITING. If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person. Remove the affected person from the source of contamination immediately. Rinse mouth thoroughly. Seek medical attention if irritation or symptoms persist.</p>
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Do not allow runoff water to enter sewers or drains. Do not empty into drains; dispose of this material and its container in a safe way. EXTINGUISHING MEDIA: Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Do not allow runoff water to enter sewers or drains. Do not empty into drains; dispose of this material and its container in a safe way. In case of accident by inhalation: remove casualty to fresh air and keep at rest. Move containers away from fire if it can be done without risk. Remove casualty from exposure ensuring one's own safety whilst doing so. Stable under normal conditions. Use extinguishing media appropriate to the surrounding fire conditions. Wear eye/face protection. Wear self contained breathing apparatus and protective clothing. Wear suitable respiratory equipment when necessary.
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5.3. Advice for firefighters

	Protective equipment. Self-contained breathing apparatus. Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Wear suitable protective clothing, gloves and eye/face protection.
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6.2. Environmental precautions

	Accidental release measures. Advise local authorities if large spills cannot be contained. Clean spillage area thoroughly with plenty of water. Clean the area using a vacuum cleaner. Do not allow product to enter drains. Do not allow runoff water to enter sewers or drains. Do not empty into drains; dispose of this material and its container in a safe way.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Clean spillage area thoroughly with plenty of water. Clean the area using a vacuum cleaner. Dispose of this material and its container to hazardous or special waste collection point. Do not allow product to enter drains. Do not allow runoff water to enter sewers or drains. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Do not empty into drains; dispose of this material and its container in a safe way. Empty containers can be cleaned with water. Empty containers can be cleaned with water, and can then be sent for disposal or recycling, if in compliance with local and national regulations. local and national regulations.
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6.4. Reference to other sections

	See section 2,3,8,13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Do not allow product to enter drains. Do not allow runoff water to enter sewers or drains. Do not eat, drink or smoke in areas where this product is used or stored. Do not empty into drains; dispose of this material and its container in a safe way. Ensure adequate ventilation of
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7.1. Precautions for safe handling

	the working area. Eye protection. Handle and open container with care. Keep container tightly closed and at a temperature not exceeding 25 °C. Keep only in the original container in a cool, well-ventilated place. Wear suitable protective clothing, gloves and eye/face protection. When using do not eat, drink or smoke.
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7.2. Conditions for safe storage, including any incompatibilities

	Do not allow product to enter drains. Do not allow runoff water to enter sewers or drains. Do NOT allow to freeze. Handle and open container with care. Keep container in a well-ventilated place. Keep locked up and out of the reach of children. Keep only in the original container at a temperature not exceeding 25 °C. Keep out of the reach of children. Store at temperatures above 5 °C. Store at temperatures below 25 °C. Store in original container.
Suitable packaging	Keep only in the original container at a temperature not exceeding 25 °C. Keep only in the original container in a cool, well-ventilated place. Store in original container.

7.3. Specific end use(s)


	Detergent.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	See section 8.2 for further information.
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8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Engineering measures. Ensure adequate ventilation of the working area. Keep in a cool, dry, well ventilated area. Store at temperatures above 5 °C. Store at temperatures below 25 °C.
8.2.2. Individual protection measures	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Remove contaminated clothing. Wear protective clothing. Wear suitable gloves and eye/face protection.
Eye / face protection	Avoid contact with eyes. Eye wash bottle with water. Provide eye wash station. Wear eye/face protection.
Skin protection - Handprotection	Wear suitable gloves.
Skin protection - Other	After contact with skin, wash immediately with plenty of water. Wear suitable gloves.
Respiratory protection	Wear suitable protective equipment.
8.2.3. Environmental exposure controls	Not normally required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour	Slight
Odour threshold	Not determined
pH	5 - 6
Melting point	Not determined
Vapour pressure	Not determined
Relative Vapour Density	Not determined
Autoignition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not determined
Solubility	Soluble in water

9.2. Other information

Conductivity	Not determined
Surface tension	Not determined
Gas group	Not determined

9.2.1. Information with regard to physical hazard classes

	No data available.
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9.2.2. Other safety characteristics

	No data available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

	No reactivity hazards known under normal storage and use conditions.
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10.2. Chemical stability

	Stable under normal conditions.
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10.4. Conditions to avoid

	Do NOT allow to freeze. Heat. Keep in a cool, dry, well ventilated area. Keep only in the original container at a temperature not exceeding 25 °C. Protect from frost. Store at temperatures between 5 °C and 25 °C.
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10.5. Incompatible materials

	Avoid contact with: Other detergent materials, bleach, and oxidising agents.
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10.6. Hazardous decomposition products

	No Significant Hazard.
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SECTION 11: Toxicological information

11.1.4. Toxicological Information

tetrasodium ethylene diamine tetraacetate . .	Oral Rat LD50: 1740mg/kg
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11.2 Information on other hazards

	No data available.
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SECTION 12: Ecological information

12.1. Toxicity

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12.1. Toxicity

tetrasodium ethylene diamine tetraacetate.	Fish LC50/96h: 100.0000 mg/l
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12.6 Endocrine disrupting properties

	No data available.
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12.7 Other adverse effects

	No data available.
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SECTION 13: Disposal considerations

Disposal methods

	Dispose of this material and its container to hazardous or special waste collection point. Do not allow product to enter drains. Do not allow runoff water to enter sewers or drains. Do not empty into drains; dispose of this material and its container in a safe way. Local and national regulations.
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Disposal of packaging

	After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free). Do not empty into drains; dispose of this material and its container in a safe way. Empty containers can be cleaned with water. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations. Local and national regulations.
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SECTION 14: Transport information

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
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15.2. Chemical safety assessment

	A chemical safety assessment has not been carried out on the mixture.
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SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas:. 9 - 9.2.2. Other safety characteristics. 9 - 9.2.1. Information with regard to physical hazard classes. 11 - 11.2 Information on other hazards. 12 - 12.6 Endocrine disrupting properties. 12 - 12.7 Other adverse effects.
Text of Hazard Statements in Section 3	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation.

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Other information

Flam. Liq. 3: H226 - Flammable liquid and vapour.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312 - Harmful in contact with skin.
Acute Tox. 4: H332 - Harmful if inhaled.
STOT SE 3: H335 - May cause respiratory irritation.
Aquatic Acute 1: H400 - Very toxic to aquatic life.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.