



## SAFETY DATA SHEET

According to  
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

### Section 1. Identification of the material and the supplier

Product: **C-Tec ProBleach**  
Other Names: ProBleach  
Product Use: Sanitising Agent, Water Treatment, Bleach  
Restriction of Use: Refer to Section 15

New Zealand Supplier: **2CARE PRODUCTS**  
Address: 9 Donnor Place  
Mt Wellington  
Auckland

Telephone: 0800 753 753  
Fax: 09 574 5999  
**Emergency No: 0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 16 June 2022 v2

### Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

**EPA Approval No: Cleaning Products (subsidiary) – HSR002530**

#### Pictograms:



Signal Word: **DANGER**

| GHS Classification and Category                     | HSNO Classification | Hazard Code | Hazard Statement                                   |
|---|---------------------|-------------|--|
| Skin irritation Cat. 2                              | 6.3A                | H315        | Causes skin irritation.                            |
| Serious eye damage Cat. 1                           | 8.3A                | H318        | Causes serious eye damage.                         |
| Hazardous to the aquatic environment chronic Cat. 3 | 9.1C                | H412        | Harmful to aquatic life with long lasting effects. |

| Prevention Code | Prevention Statement                               |
|-----------------|--|
| P102            | Keep out of reach of children.                     |
| P103            | Read label before use.                             |
| P264            | Wash hands thoroughly after handling.              |
| P273            | Avoid release to the environment.                  |
| P280            | Wear protective clothing as detailed in Section 8. |

| Response Code    | Response Statement   |
|------------------|--|
| P101             | If medical advice is needed, have product container or label at hand.  |
| P310             | Immediately call a POISON CENTER or doctor/physician.  |
| P362             | Take off contaminated clothing and wash before re-use.   |
| P302 + P352      | IF ON SKIN: Wash with plenty of soap and water.  |
| P305 + P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P332 + P313      | If skin irritation occurs: Get medical advice/ attention.  |

| Storage Code   | Storage Statement |
|----------------|-------------------|
| None allocated |                   |

| Disposal Code | Disposal Statement   |
|---------------|--|
| P501          | Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information. |

### Section 3. Composition / Information on Hazardous Ingredients

| Ingredients         | Wt%    | CAS NUMBER. |
|---------------------|--------|-------------|
| Sodium Hypochlorite | <5%    | 7681-52-9   |
| Water               | To bal |             |

### Section 4. First Aid Measures

Routes of Exposure:

- If in Eyes IMMEDIATELY flush eyes with copious amounts of water for at least 15 minutes while holding eyelids open. Ensure complete irrigation of the eyes by lifting the upper and lower lids periodically. Removal of contact lenses should only be done by skilled personnel. Transport person to nearest hospital or doctor without delay.
- If on Skin REMOVE contaminated clothing. IMMEDIATELY flush the contaminated skin thoroughly with water for at least 15 minutes. If skin irritation occurs: Get medical advice/ attention.
- If Swallowed Do not induce vomiting. Rinse mouth. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Call a POISON CENTER or doctor/physician if you feel unwell.
- If Inhaled Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

#### Most important symptoms and effects, both acute and delayed

Symptoms:

- Ingestion:** Not applicable  
**Inhalation:** Not applicable  
**Skin:** Causes skin irritation.  
**Eye:** Causes severe eye damage.

**Notes to Doctor:** Treat symptomatically based on judgement of doctor and individual reactions of patient.

**Safety measures:** Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

## Section 5. Fire Fighting Measures

|   |   |
|---|---|
| <b>Hazard Type</b>  | Non Flammable   |
| <b>Hazards from combustion products</b>                             | The product is non-combustible; however, the packaging material may burn to emit noxious fumes.   |
| <b>Suitable Extinguishing media</b>                                 | Use extinguishing media appropriate for surrounding fire.   |
| <b>Precautions for firefighters and special protective clothing</b> | Wear positive pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (including Helmet, Coat, Trousers, Boots and Gloves). DO NOT allow spillage or firefighting water to reach waterways, drains or sewers. Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. |
| <b>HAZCHEM CODE</b>   | <b>None allocated</b>   |

## Section 6. Accidental Release Measures

### General Response Procedures:

Clear area of all unprotected personnel. Allow only trained personnel wearing appropriate protective equipment to be involved in spill response. Contain spill, avoid further accidents, clean up immediately. Increase ventilation. In the case of large spills alert fire brigade and notify them of location and nature of spill. Evacuate all non-essential personnel.

### Environmental Precautionary Measures:

Prevent run off into drains and waterways. If contamination of sewers or waterways has occurred advise the Environmental Protection Authority and/or your local Waste Authority.

### Clean Up Procedures:

Stop leak if safe to do so. Contain spill immediately. Mechanically collect as much of the spill as possible. Absorb with sand, earth or clay. Transfer to suitable, labelled containers and dispose of promptly as hazardous waste. Spill on areas other than pavement (e.g. dirt and sand) may be handled by removing the affected soils and placing in approved containers. Wash area down with water and collect washings for disposal. Dispose as per Section 13.

## Section 7. Handling and Storage

### Precautions for Handling:

- Read label before use.
- Wash hands thoroughly after handling.
- Wear protective clothing as detailed in Section 8.
- Use in well ventilated area.
- Ensure an eye bath is available and ready for use.
- Observe good personal hygiene practices and recommended procedures.
- Avoid contact with eyes, skin and clothing. Do not inhale product vapours.
- Do not smoke, eat or drink when handling product.
- Always remove contaminated clothing and wash hands before eating, drinking, smoking or using the toilet.
- Wash contaminated clothing and other protective equipment before storage or re-use.
- Prevent fume concentration in hollows and sumps.

### Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.

- Store upright in the original container in a cool, dry, well-ventilated protected area out of direct sunlight and foodstuffs.
- Keep containers tightly closed when not in use.
- Inspect regularly for deficiencies such as damage or leaks.
- Do not combine part containers of the same product.
- A water supply or source must be provided in the place of storage.
- Emergency showers and eye-washes must be available.
- Store in original packaging as approved by manufacturer.

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

| Substance | TWA |                   | STEL |                   |
|-----------|-----|-------------------|------|-------------------|
|           | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |

No ingredients have exposure limits.

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13<sup>TH</sup> EDITION.

### Engineering Controls

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.

### Personal Protection Equipment



|                    |  |
|--------------------|--|
| <b>Eyes</b>        | Use splash proof safety goggles, and/or if necessary an appropriate full face shield that conform to AS1336/1337.  |
| <b>Hands</b>       | Any Gloves approved for chemical hazards that conform to AS2161.   |
| <b>Skin</b>        | Trousers, Long sleeved shirt and closed shoes.   |
| <b>Respiratory</b> | If determined an inhalation risk is present. Use a P2 grade valved disposable mask which is suitable for vapour protection and conforms to the requirements of AS1715/1716). |

## Section 9 Physical and Chemical Properties

|   |                     |
|---|---------------------|
| <b>Appearance</b>                       | Free flowing liquid |
| <b>Colour</b>                           | Yellow/green        |
| <b>Odour</b>                            | Chlorine            |
| <b>Odour Threshold</b>                  | Not available       |
| <b>pH</b>                               | 11 – 12.0           |
| <b>Boiling Point</b>                    | Not available       |
| <b>Melting Point</b>                    | Not available       |
| <b>Freezing Point</b>                   | Not available       |
| <b>Flash Point</b>                      | Not available       |
| <b>Flammability</b>                     | Not available       |
| <b>Upper and Lower Explosive Limits</b> | Not available       |
| <b>Vapour Pressure</b>                  | Not available       |

|                                  |                   |
|----------------------------------|-------------------|
| <b>Vapour Density</b>            | Not available     |
| <b>Density</b>                   | 1.065g/mL @ 20°C  |
| <b>Water Solubility</b>          | Complete in water |
| <b>Partition Coefficient:</b>    | Not available     |
| <b>Auto-ignition Temperature</b> | Not available     |
| <b>Decomposition Temperature</b> | Not available     |
| <b>Kinematic Viscosity</b>       | Not available     |
| <b>Particle Characteristics</b>  | Not available     |
| <b>Shelf life</b>                | Not available     |

## Section 10. Stability and Reactivity

|   |   |
|---|---|
| <b>Stability of Substance</b>             | The substance is stable under normal conditions of use. Unstable in the presence of incompatible materials may liberate poisonous fumes. The substance is stable under normal environmental and foreseeable conditions during storage and handling. |
| <b>Possibility of hazardous reactions</b> | No data available.  |
| <b>Conditions to Avoid</b>                | Avoid contact with foodstuffs. Do not combine part drums of the same product. Use in a well-ventilated area.  |
| <b>Incompatible Materials</b>             | Acids, reducing agents, Ammonia based cleaners.   |
| <b>Hazardous Decomposition Products</b>   | Excess heat or reaction with acids may produce Chloramines which are toxic and have explosive potential.  |

## Section 11 Toxicological Information

### Acute Effects:

|                   |   |
|-------------------|---|
| <b>Swallowed</b>  | Not applicable.   |
| <b>Dermal</b>     | Not applicable. LD50 = >10 000mg/kg (rabbit)  |
| <b>Inhalation</b> | Not applicable.   |
| <b>Eye</b>        | Causes severe eye damage. LD50 – 10mg/kg (Rabbit). This material can cause chemical burns, corneal oedema and conjunctival haemorrhage to the eye. It's vapour may be extremely irritating. |
| <b>Skin</b>       | Causes skin irritation.   |

### Chronic Effects:

|                               |  |
|-------------------------------|--|
| <b>Carcinogenicity</b>        | Not applicable.  |
| <b>Reproductive Toxicity</b>  | Not applicable.  |
| <b>Germ Cell Mutagenicity</b> | Not applicable.  |
| <b>Aspiration</b>             | Not applicable.  |
| <b>STOT/SE</b>                | Not applicable.  |
| <b>STOT/RE</b>                | Not applicable.  |
| <b>Long term</b>              | Asthma-like symptoms may continue for months or even years after exposure ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome which can occur following exposure to high levels of highly irritating compounds. Key criteria for the diagnosis include the absence of preceding respiratory disease, in a non-atopic individual, with abrupt onset of persistent asthma-like symptoms within minutes to hours of a documented exposure to the irritant. |

## Section 12. Ecotoxicological Information

Harmful to aquatic life with long lasting effects.

|                                      |                    |
|--------------------------------------|--------------------|
| <b>Product:</b>                      |                    |
| <b>Persistence and degradability</b> | No data available. |
| <b>Bioaccumulation</b>               | No data available. |
| <b>Mobility</b>                      | No data available. |
| <b>Other adverse effects</b>         | No data available. |

Do not allow to enter waterways.

## Section 13. Disposal Considerations

### Disposal Method:

Dispose of in accordance with all local, regional and national regulations. All empty packaging should be disposed of in accordance with local, regional, and national regulations or recycled/reconditioned at an approved facility.

**Precautions or methods to avoid:** Containers should be rinsed and disposed of in line with any requirements of the Resource Management Act for which approval should be sought from the Regional Authority.

## Section 14 Transport Information

**This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012**

## Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Cleaning Products (subsidiary) – HSR002530

| <b>HSW (HS) Regulations 2017 and EPA Notices</b> | <b>Trigger Quantity</b>            |
|--|------------------------------------|
| Certified Handler                                | Not required                       |
| Location Certificate                             | Not required                       |
| Tracking Trigger Quantities                      | Not required                       |
| Signage Trigger Quantities                       | 1000L                              |
| Emergency Response Plan                          | 1000L                              |
| Secondary Containment                            | 1000L                              |
| Restriction of Use                               | Only use for the intended purpose. |

## Section 16 Other Information

### Glossary

|                  |   |
|------------------|---|
| Cat              | Category  |
| EC <sub>50</sub> | Median effective concentration.   |
| EEL              | Environmental Exposure Limit.   |
| EPA              | Environmental Protection Authority  |
| HSNO             | Hazardous Substances and New Organisms.   |
| HSW              | Health and Safety at Work.  |
| LC <sub>50</sub> | Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it. |
| LD <sub>50</sub> | Lethal dose to kill 50% of test animals/organisms.                                      |
| LEL              | Lower explosive level.  |
| OSHA             | American Occupational Safety and Health Administration.                                 |

|     |   |
|-----|---|
| TEL | Tolerable Exposure Limit.   |
| TLV | Threshold Limit Value-an exposure limit set by responsible authority. |
| UEL | Upper Explosive Level   |
| WES | Workplace Exposure Limit  |

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2020 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This SDS has been prepared from current technical data and summarises at the date of issue our best knowledge of the health and safety information of the product, and how to safely handle and use the product in the work place. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact the company.

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