



## SAFETY DATA SHEET

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

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

Product: **Care4 Heavy Duty Cleaner**  
Other Names: Heavy Duty Cleaner  
Product Use: Hard Surface Cleaner  
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: **Warning**

GHS Classification and Category	HSNO Classification	Hazard Code	Hazard Statement
Eye irritation Cat. 2	6.4A	H319	Causes serious eye irritation.

Prevention Code	Prevention Statement
P103	Read label before use.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing as detailed in Section 8.

Response Code	Response Statement
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 Code	Storage Statement
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Product Name: Care4 Heavy Duty Cleaner  
Date of SDS: 16 June 2022

SDS Prepared by: 2 Care Products  
Version 2

None allocated	
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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.
2-Phosphonobutane-1,2,4-tricarboxylic acid	<5	37971-36-1
Water	Balance	7732-18-5

### 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. Take care not to rinse contaminated water into the non-affected eye. If eye irritation persists: Get medical advice/attention.
- If on Skin Remove contaminated clothing. Wash skin with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention.
- If Swallowed Do not induce vomiting. Give water to drink immediately to dilute. 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 mild skin irritation.  
**Eye:** Causes serious eye irritation.

**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) or chemical splash suit. 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 accidents, clean up immediately. Increase ventilation. 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. 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.
- 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 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.

**Precautions for Storage:**

- Store away from incompatible materials listed in Section 10.
- 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.
- 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)**

<b>Substance</b>	<b>TWA</b> <b>ppm mg/m<sup>3</sup></b>	<b>STEL</b> <b>ppm mg/m<sup>3</sup></b>
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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

Adequate ventilation should be provided so that exposure limits are not exceeded.

## Personal Protection Equipment



<b>Eyes</b>	Use splash proof safety goggles 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>	Not deemed to present any risk.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Clear Yellow
<b>Odour</b>	Ether like
<b>Odour Threshold</b>	Not available
<b>pH</b>	8.0 – 9.0
<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>Specific Gravity</b>	Not available
<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>	2 years from manufacturing date (when stored as directed)

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	The substance is stable under normal environmental and foreseeable conditions of temperature and pressure 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.
<b>Incompatible Materials</b>	Oxidising agents, cyanides, sulphides, alkali metals.
<b>Hazardous Decomposition Products</b>	The packaging material may burn to emit noxious fumes. Combustion will generate carbon oxides.

**Section 11 Toxicological Information****Acute Effects:**

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Causes serious eye irritation. Causes irritation to ocular tissue.
<b>Skin</b>	Not applicable.

**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.

**Section 12. Ecotoxicological Information**

<b>Product:</b>	
<b>Persistence and degradability</b>	Readily Biodegradable.
<b>Bioaccumulation</b>	No data available.
<b>Mobility</b>	High water solubility and mobility.
<b>Other adverse effects</b>	No data available.

**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	Not required
Emergency Response Plan	Not required

Secondary Containment	Not required
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.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

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