



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 Super Shot**
Other Names: Super Shot
Product Use: Low foaming carpet shampoo concentrate
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 (Corrosive) – HSR002526

Pictograms:



Signal Word: **DANGER**

GHS Classification and Category	HSNO Classification	Hazard Code	Hazard Statement
Reproductive toxicity Cat. 2	6.8B	H361	Suspected of damaging fertility or the unborn child.
Corrosive to metals Cat. 1	8.1A	H290	May be corrosive to metals.
Skin corrosion Cat. 1C	8.2C	H314	Causes severe skin burns and eye damage.
Serious eye damage Cat. 1	8.3A	H318	Causes serious eye damage.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P234	Keep only in original container.

Product Name: C-Tec Super Shot
Date of SDS: 16 July 2022

SDS Prepared by: 2 Care Products
Version 2

P260	Do not breathe dust, fumes, gas, mist, vapours or spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing as detailed in Section 8.
P281	Use personal protective equipment as required.

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.
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P301 + P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position 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.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.

Storage Code	Storage Statement
P405	Store locked up.
P406	Store in corrosive resistant container with a resistant inner liner.

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.
Dimethyl Benzene (Mixed Isomers)	<1%	1330-20-7
Fragrance	<0.5%	Proprietary
Non Hazardous ingredients	<30%	Proprietary
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 20 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 IMMEDIATELY.
If on Skin	REMOVE contaminated clothing. IMMEDIATELY flush the contaminated skin thoroughly with water for at least 15 minutes. Seek medical attention URGENTLY if burning or irritation persists.
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 skin burns.
Eye: Causes severe eye damage.

Notes to Doctor: Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If burn is present, treat as any thermal burn, after decontamination. Due to irritant properties, swallowing may result in burns/ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/oesophageal control if lavage is done. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

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

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from combustion products	During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Nitrogen oxides. Carbon monoxide. Carbon dioxide.
Suitable Extinguishing media	Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.
Precautions for firefighters and special protective clothing	Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing (includes fire-fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire-fighting operations. If contact is likely, change to full chemical resistant fire-fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections. 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. DO NOT allow spillage or firefighting water to reach waterways, drains or sewers. Keep people away. Isolate fire and deny unnecessary entry. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage.
HAZCHEM CODE	2X

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. Keep upwind at all times. Increase ventilation. In the case of large spills alert fire brigade and notify them of location and nature of spill.

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 corrosion resistant 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 dilute acid and excess water and collect washings for disposal. Dispose as per Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Keep only in original container.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Do not breathe dust, fumes, gas, mist, vapours or spray.
- Wash hands thoroughly after handling.
- Wear protective clothing as detailed in Section 8.
- Use in a well-ventilated area.
- Ensure an eye bath and safety shower is available and ready for use.
- 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 after handling or before eating, drinking, smoking or using the toilet.
- Wash contaminated clothing and other protective equipment before storage or re-use.
- Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.
- Spills of this organic material on hot fibrous insulations may lead to lowering of the auto ignition temperatures possibly resulting in spontaneous combustion.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store locked up.
- Store in corrosive resistant container with a resistant inner liner.
- Store upright in the original container in a cool, dry, well-ventilated protected area out of direct sunlight and away from 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 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 ³	ppm	mg/m ³
Xylene (o-, m-, p-isomers) [1330-20-7]	50	21	-	-

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 13TH EDITION.

Engineering Controls

Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Personal Protection Equipment



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

Section 9 Physical and Chemical Properties

Appearance	Free Flowing Liquid
Colour	Clear
Odour	Ether-like
Odour Threshold	Not available
pH	11.0 – 12.0
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	Not available
Water Solubility	Complete in water
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available
Shelf life	2 years from manufacturing date (when stored as directed)

Section 10. Stability and Reactivity

Stability of Substance	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. May form peroxides.
Possibility of hazardous reactions	No data available.
Conditions to Avoid	Avoid contact with foodstuffs. Do not combine part drums of the same product. Use in a well-ventilated area. Avoid high temperatures.
Incompatible Materials	Strong acids, Oxidising agents, Synthetic materials, Heating above 60°C in the presence of aluminium can result in corrosion and generation of flammable hydrogen gas.
Hazardous Decomposition	Excess heat may produce Carbon and Nitrogen Oxides and

Products	Hydrogen gas.
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Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes severe eye damage. May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur. Vapor may cause eye irritation experienced as mild discomfort and redness
Skin	Causes skin burns.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
2-Butoxy Ethanol	1414 mg/kg (Guinea Pig)	>2000 mg/kg (Guinea Pig)	3.1 mg/L (Guinea Pig)
Dimethyl Benzene (Mixed Isomers)	1590 mg/kg (mouse)	-	27.6 mg.L (rat)

Section 12. Ecotoxicological Information

Product:	
Persistence and degradability	Readily biodegradable.
Bioaccumulation	Low potential for bioaccumulation.
Mobility	High water solubility and mobility.
Other adverse effects	No information available.

ECOTOXICITY This material is **ECOTOXIC** to terrestrial vertebrates.

2-Butoxy LC₅₀ (Fish, 96 h): 1474 mg/L (Oncorhynchus mykiss)

Ethanol: EC₅₀ (Algae, 72h): 911 mg/L (Pseudokirchneriella subcapitata)

 EC₅₀ (Aquatic Invertebrate, 48h): 1550 mg/L (Daphnia magna)

 NOEC (Algae, 72 h): >280 mg/L (Pseudokirchneriella subcapitata)

 NOEC (Crustacea, 21d): >100 mg/L (Daphnia magna)

All data from NZ Chemical Classification and Information Database

Dimethyl LC₅₀ (Fish, 96h): 3.3mg/L (Oncorhynchus mykiss)

Benzene LC₅₀ (Crustacea, 48h): 8.5mg/L (Palaemonetes pugio)

(Mixed LC₅₀ (Algae, 72h): 10mg/L (Skeletonema costatum)

Isomers):

All data from NZ Chemical Classification and Information Database

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 before disposal.

Disposal of this product must comply 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 classified as a Dangerous Good for transport in NZ ; NZS 5433:2012



Road, Rail, Sea and Air Transport

UN No	3266
Class - Primary	8
Packing Group	III
Proper Shipping Name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S (contains Sodium Metasilicate)
Marine Pollutant	No
Special Provisions	If the product's individual container is below 5L, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

Section 15 Regulatory Information

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

EPA Approval Code: Cleaning Products (Corrosive) – HSR002526

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
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 ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms

LD ₅₀	inhaling or ingesting it.
LEL	Lethal dose to kill 50% of test animals/organisms.
OSHA	Lower explosive level.
TEL	American Occupational Safety and Health Administration.
TLV	Tolerable Exposure Limit.
	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 April 2022 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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