



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 Steel Coat**
Other Names: C-Tec Steel Coat
Product Use: Cleaning/polishing soft metals
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: 24 August 2022

Section 2. Hazards Identification

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

EPA Approval No: Cleaning Products (Flammable) – HSR002528

Pictograms



Signal Word: **Warning**

GHS Classification and Category	HSNO Classification	Hazard Code	Hazard Statement
Flammable Liquids Cat. 3	3.1C	H226	Flammable liquid and vapour.
Skin irritation Cat. 2	6.3A	H315	Causes skin irritation.
Reproductive toxicity Cat. 2	6.8B	H361	Suspected of damaging fertility or the unborn child
Narcotic effects	6.9N	H336	May cause drowsiness or dizziness.
Hazardous to the aquatic environment chronic Cat. 2	9.1B	H411	Toxic to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P233	Keep container tightly closed.

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P240	Ground, bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust, fumes, gas, mist, vapours or spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.
P281	Use personal protective equipment as required.

Response Code	Response Statement
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P362	Take off contaminated clothing and wash before re-use.
P391	Collect spillage.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P370 + P378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Hydrocarbons, C9-C11, n-alkanes, cyclics	< 50%	64742-48-9
Paraffins (petroleum), normal C5-20	< 50%	64771-72-8
Distillates(petroleum), hydrotreated heavy paraffinic	<15%	64742-54-7

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Flush with water for several minutes. Remove contact lenses. Continue rinsing for at least 15 minutes.
If on Skin	Remove/Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/ attention.
If Swallowed	DO NOT INDUCE VOMITING. If person is conscious rinse mouth with water. Give one cup of milk if available. Transport person to nearest hospital or doctor. If person has lost consciousness DIAL 111 and request an ambulance.
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

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Symptoms:	
Ingestion:	Not applicable
Inhalation:	May cause drowsiness or dizziness.
Skin:	Causes skin irritation.
Eye:	Not applicable.
Chronic:	Suspected of damaging fertility or the unborn child.

Section 5. Fire Fighting Measures

Hazard Type	Flammable
Hazards from combustion products	The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is a low risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions. Any explosion will likely spread the fire to surrounding materials. Water spray may be used to cool drums involved in a fire, reducing the chances of an explosion. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances. Fires involving significant quantities of aromatic hydrocarbons often generate large clouds of black smoke. Smoke and fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.
Suitable Extinguishing media	Carbon dioxide, dry chemical, foam.
Precautions for firefighters and special protective clothing	If a significant quantity of this product is involved in a fire, call the fire brigade. There is some danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Fire fighters should wear self-contained breathing apparatus to minimise risk of exposure.
HAZCHEM CODE	3Y

Section 6. Accidental Release Measures

General Response Procedures:

Spillages are slippery. Ensure adequate ventilation. In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Immediately call the Fire Brigade. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include Nitrile, nitrile latex, fluorocarbon rubber, polychloroprene. If there is a chance of vapour build-up in the clean up area, use a respirator.

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. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large, or no absorbent material available, create a dike to stop spill spreading or accessing drains or waterways. Avoid using combustible material. Any electrical equipment should be non-sparking. Any equipment capable of building an electrostatic charge should be electrically grounded. Sweep up or collect recoverable product into labelled containers and dispose of promptly. Recycle containers where possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Check council regulations prior to disposal. Thoroughly wash protective clothing before storage or re-use. Dispose as per Section 13.

Section 7. Handling and Storage

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Precautions for Handling:

- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Keep container tightly closed.
- Ground, bond container and receiving equipment.
- Use explosion-proof electrical, ventilating and lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Avoid breathing dust, fumes, gas, mist, vapours or spray.
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.
- Use personal protective equipment as required.
- Keep exposure to this product to a minimum, and minimise the quantities kept in work areas.
- Avoid contact or contamination of product with incompatible materials.
- Transport and store upright.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store locked up.
- Keep container tightly closed.
- Store in a cool, dry, well-ventilated area out of sunlight and away from other chemicals and foodstuffs.
- Containers should be kept closed in order to minimise contamination and evaporation.
- Check regularly for leaks or spills.
- Make sure that surrounding electrical devices and switches are suitable.
- Do not combine part drums of the same product, as this may cause contamination.
- Do not mix with other chemicals.
- If you keep more than 10000kg/L of Dangerous Goods of Packaging Group III, you may be required to license your premises or notify your Dangerous Goods authority.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

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 13TH EDITION.

Engineering Controls

Use only in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Personal Protection Equipment



Eyes	Use splash proof safety goggles that conform to AS1336/1337.
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Hands	Any Gloves approved for chemical hazards that conform to AS2161.
Skin	Trousers, Long sleeved shirt and closed shoes.
Respiratory	Not required.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Clear
Odour	Ether-like
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	56°C, Closed cup
Flammability	Flammable
Upper and Lower Explosive Limits	Upper: 7%, Lower: 0.4%
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	±0.739 at 20°C
Water Solubility	Insoluble in water.
Partition Coefficient:	Not available
Ignition Temperature	210°C
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	Stable under normal conditions of use. The shelf life is 2 years.
Possibility of hazardous reactions	No data available.
Conditions to Avoid	Store in a cool, dry, well ventilated place, (below 30°C) away from sources of sparks or ignition. Keep containers tightly closed. Handle with care. Any nearby equipment should be flame proofed.
Incompatible Materials	Oxidising agents.
Hazardous Decomposition Products	Combustion may form carbon dioxide, carbon monoxide or smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable. Significant oral exposure is unlikely, but could enter the lungs if swallowed. Once in the lungs, it is very difficult to remove and can cause severe injury or death. Product may be mildly irritating to mucous membranes, but is unlikely to cause anything more than mild transient discomfort.
Dermal	Not applicable.
Inhalation	High vapour pressure may cause drowsiness and dizziness. Unlikely to cause discomfort or irritation.
Eye	Not applicable.

Skin	Causes skin irritation.
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Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12. Ecotoxicological Information

Harmful to aquatic life.

Product:	
Persistence and degradability	Product is biodegradable, will not accumulate in soil/water, or cause long term problems.
Bioaccumulation	No data available.
Mobility	No data available.
Other adverse effects	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. Containers should be rinsed before disposal.

Precautions or methods to avoid: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021



Road, Rail, Sea and Air Transport

UN No	3295
Class - Primary	3
Packing Group	III
Proper Shipping Name	HYDROCARBONS, LIQUID, N.O.S.
Marine Pollutant	NO
Special Provisions	If the product's individual container is below 5L/kg, 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

EPA Approval Code: Cleaning Products (Flammable) – HSR002528

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	500L (>5L), 1500L (<5L), 250L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000L
Emergency Response Plan	10 000L
Secondary Containment	10 000L
Fire Extinguisher	500L = 2x
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 inhaling or ingesting it.
LD ₅₀	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 April 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact the New Zealand distributor, if further information is required.

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