



## 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 X-Coat Nano**  
Other Names: 88FF  
Product Use: Floor Polish  
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 **NOT** hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

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

Ingredients	Wt%	CAS NUMBER.
Diethylene Glycol Ethyl Ether	<3%	111-90-0
2-Butoxy Ethanol Phosphate	<3%	78-51-3
Non-hazardous Ingredients	To Bal	

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Rinse cautiously with water for several minutes. Continue rinsing. Seek medical attention if needed.

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

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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:** Not applicable

**Eye:** Not applicable

**Notes to Doctor:** Treat symptomatically based on judgement of doctor and individual reactions of patient. Contact NZ POISON CENTRE immediately if large quantities have been ingested or inhaled.

**Safety measures:** No specific measure required.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Non Flammable
<b>Hazards from combustion products</b>	In a fire or heated, a pressure increase will occur and the container may burst. Decomposition products may include the following materials: Carbon Dioxide, Carbon Monoxide, Phosphorous Oxides.
<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. Avoid walking through spilled product as it is slippery when spilt. Use clean, non-sparking tools and equipment. Shut off all possible sources of ignition.

**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 water and collect washings for disposal. Dispose as per Section 13.

**Section 7. Handling and Storage**

**Precautions for Handling:**

- Read label before use.
- Wear protective clothing as detailed in Section 8.
- 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 after handling or 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.
- The floor must be waterproof and anti-slip.
- 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**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**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 disposable mask which conforms to the requirements of AS1715/1716).

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Opaque Liquid
<b>Colour</b>	White
<b>Odour</b>	Ether like
<b>Odour Threshold</b>	Not available
<b>pH</b>	7.0 – 8.0
<b>Boiling Point</b>	100 <sup>0</sup> C
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	0 <sup>0</sup> C
<b>Flash Point</b>	Not available

<b>Flammability</b>	Not available
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	<4 kPa (<30mm Hg) room temperature.
<b>Vapour Density</b>	<1 [Air = 1]
<b>Density</b>	1.04 g/mL @ 20°C
<b>Water Solubility</b>	Not available
<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>	No data available.
<b>Incompatible Materials</b>	No data available.
<b>Hazardous Decomposition Products</b>	The packaging material may burn to emit noxious fumes. Contact with metals may liberate hydrogen gas.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Not applicable.
<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.

ORAL	Diethylene Glycol Ethyl Ether – LD <sub>50</sub> – 3000mg/kg (Guinea Pig) – CCID 2-Butoxy Ethanol Phosphate – LD <sub>50</sub> – 3000mg/kg (Rat) - CCID
DERMAL	Diethylene Glycol Ethyl Ether – 500mg/24hr (Rabbit) – Supplier SDS 2-Butoxy Ethanol Phosphate – 500mg/24hr (Rabbit) – Supplier SDS Causes mild skin irritation. Wash arms, hands and face thoroughly after handling. Wear protective gloves and eye protection.
INHALATION	No Information available.
EYE	Diethylene Glycol Ethyl Ether – 500mg/24hr (Rabbit) – Supplier SDS 2-Butoxy Ethanol Phosphate – 500mg/24hr (Rabbit) – Supplier SDS Moderate to mild eye irritant.



## Section 12. Ecotoxicological Information

<b>Product:</b>	
<b>Persistence and degradability</b>	Readily biodegradable.
<b>Bioaccumulation</b>	The product is not expected to bioaccumulate in the aquatic environment.
<b>Mobility</b>	High water solubility and mobility.
<b>Other adverse effects</b>	No data available.

ECOTOXICITY	Diethylene Glycol Ethyl Ether	LC50 – 3340mg/L (Daphnia magna – Neonate – 48hr) - CCID
	2-Butoxy Ethanol	LC50 – 16mg/L (Pimephales promelas – 96hr) – CCID.
	Phosphate	LC50 – 75mg/L (Daphnia magna – 48hr) – CCID.

## 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 triple rinsed then rinsed with dilute hydrochloric acid to neutralise sodium hydroxide residues which should be added slowly by trained staff wearing proper protection.

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

## Section 15 Regulatory Information

This substance is NOT classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

## 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 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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