

SAFETY DATA SHEET



C-Tec Progleem

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: C-Tec Progleem

OTHER NAMES: Progleem
RECOMMENDED USE: Window Cleaner

SUPPLIER NAME: 2CARE PRODUCTS
ADDRESS: 9 Donnor Place
Mt Wellington
AUCKLAND

Phone: 0800 753 753
Fax: (09) 574 5999

Emergency Telephone: 0800 764 766 NEW ZEALAND NATIONAL POISON CENTRE

2. HAZARD(S) IDENTIFICATION

GLOBALLY HARMONISED SYSTEM

HAZARD CLASSIFICATION Not classified as a Dangerous Good by NZS5433:2012 for transport by Road.

HAZARD CATEGORIES Acute Toxicity (Inhalation) Category 4
Skin Corrosion/Irritation Category 2
Serious Eye Damage/Irritation Category 2B
Aquatic Toxicity (Acute) Category 3

PICTOGRAMS



SIGNAL WORD

WARNING

HAZARD STATEMENTS

H315 – Causes skin irritation.
H319 – Causes serious eye irritation.
H332 – Harmful if inhaled.
H401 – Toxic to aquatic life.
H413 – May cause long lasting harmful effects to aquatic life

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PRECAUTIONARY STATEMENTS

PREVENTION

P102 – Keep out of reach of children.
P103 – Read label before use.
P104 – Read Safety Data Sheet before use.
P261 – Avoid breathing fumes.
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 gloves, clothing and eye/face protection.

RESPONSE

P101 – If medical advice is needed, have product container or label at hand.
P302 + P352 – **IF ON SKIN:** Wash with plenty of soap and water.
P304 + P340 – **IF INHALED:** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 – **IF IN EYES:** Rinse cautiously for several minutes. **REMOVE** contact lenses if present and safe to do so. Continue rinsing.
P312 – Call **NZ POISON CENTRE** or a doctor/physician if you feel unwell.
P321 – **WASH** affected areas well with water.
P331 – **DO NOT** induce vomiting.
P332 + P313 – If skin irritation occurs. Get medical advice/attention.
P337 + P313 – If eye irritation persists: Get medical advice/attention.
P362 – Take off contaminated clothing and wash before re-use.

STORAGE

DISPOSAL

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.

ENVIRONMENTAL PROTECTION AUTHORITY (NEW ZEALAND)

HSNO CLASSIFICATIONS

Toxicity Hazards

6.1D Substances that are acutely toxic – Harmful.
6.3A Substances that are irritating to the skin.
6.4A Substances that are irritating to the eye.

Environmental Hazards

9.1D Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action.

The information contained in this SDS is specific to the product when handled and used neat. This product when diluted may not require the same control measures as the neat product. Check with your technical representative if in doubt.

POISONS SCHEDULE (AUS): Not Listed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
2-Butoxy Ethanol	C ₆ H ₁₄ O ₂	111-76-2	10 - 20%
Non-Hazardous ingredients			< 5%
Water	H ₂ O	7732-18-5	Balance

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4. FIRST AID MEASURES

INGESTION	DO NOT induce vomiting. If person is conscious slowly provide as much water as the person can comfortably drink. Transport person to nearest hospital or doctor without delay. If person has lost consciousness DIAL 111 and request an ambulance.
EYE CONTACT	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 if irritation persists.
SKIN CONTACT	REMOVE contaminated clothing. IMMEDIATELY flush the contaminated skin thoroughly with water for at least 15 minutes preferably under a safety shower.
INHALATION	REMOVE victim from source of exposure to fresh air. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing with a demand valve resuscitator, bag-valve mask device, or pocket mask. Perform CPR if necessary.
SAFETY MEASURES	Potable water should be available to rinse eyes. Provide eye baths and safety showers. Treat symptomatically.
PHYSICIAN NOTES	Treat symptomatically based on judgement of doctor and individual reactions of patient.

5. FIRE FIGHTING METHODS

GENERAL MEASURES	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.
FLAMMABILITY CONDITIONS	Product is not combustible.
EXTINGUISHING MEDIA	Extinguishing powder, Alcohol resistant foam, Carbon dioxide (CO ₂) , Water spray.
HAZARDOUS PRODUCTS OF COMBUSTION	The product is non-combustible; however, it may liberate Carbon and Nitrogen oxides (CO/NO _x) within smoke. The packaging material may also burn to emit noxious fumes.
SPECIAL FIRE FIGHTING INSTRUCTIONS	DO NOT allow spillage or firefighting water to reach waterways, drains or sewers. Use fire-fighting procedures suitable for surrounding area.
PERSONAL PROTECTIVE EQUIPMENT	Wear positive pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (including Helmet, Coat, Trousers, Boots and Gloves or chemical splash suit).
HAZCHEM CODE	No information available.

6. SPILLAGE/ACCIDENTAL RELEASE MEASURES

GENERAL RESPONSE PROCEDURE	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.
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CLEAN UP PROCEDURES	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.
CONTAINMENT	Stop leak if safe to do so. Contain spill immediately.
DECONTAMINATION	Wash area down with water and collect washings for disposal.
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.
EVACUATION CRITERIA	Evacuate all non-essential personnel.
PERSONAL PRECAUTIONARY MEASURES	Personnel involved in the clean-up should wear full protective clothing as listed in section 8.

7. HANDLING AND STORAGE

HANDLING	Use in a well-ventilated area. Ensure an eye bath 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 before eating, drinking, smoking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.
STORAGE	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. A water supply or source must be provided in the place of storage. Emergency eye-washes must be available.
CONTAINER	Store in original packaging as approved by manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

GENERAL	Ammonium Hydroxide [CAS 1336-21-6]. 2-Butoxy Ethanol [CAS 111-76-2]				
EXPOSURE LIMITS	Ammonium Hydroxide – TWA 25ppm from NZ Workplace Exposure Standards. 2-Butoxy Ethanol – TWA-Ceil 25ppm from NZ Workplace Exposure Standards.				
BIOLOGICAL LIMITS	No information available on biological limit values for this product.				
ENGINEERING MEASURES	General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in special circumstances.				
PERSONAL PROTECTIVE EQUIPMENT	<table><tr><td>RESPIRATOR</td><td>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).</td></tr><tr><td>EYES</td><td>Use splash proof safety goggles, and/or if necessary an appropriate full face shield that conform to AS1336/1337.</td></tr></table>	RESPIRATOR	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).	EYES	Use splash proof safety goggles, and/or if necessary an appropriate full face shield that conform to AS1336/1337.
RESPIRATOR	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).				
EYES	Use splash proof safety goggles, and/or if necessary an appropriate full face shield that conform to AS1336/1337.				

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HANDS	Any Gloves approved for chemical hazards that conform to AS2161.
CLOTHING	Trousers, Long sleeved shirt and closed shoes.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE	Liquid
APPEARANCE	Free flowing
COLOUR	Blue
ODOUR	Ether like
pH	10.5 – 11.5
DENSITY	No Data Available.
VAPOUR PRESSURE	No Data Available.
VAPOUR DENSITY	No Data Available.
BOILING POINT	No Data Available.
FREEZING POINT	No Data Available.
SOLUBILITY	Complete in water.

10. STABILITY AND REACTIVITY

GENERAL INFORMATION	Stable under normal conditions of use.
CHEMICAL STABILITY	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.
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.
MATERIALS TO AVOID	Oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Excess heat may produce Carbon and Nitrogen Oxides.

11. TOXICOLOGICAL INFORMATION

ORAL	Ammonium Hydroxide LD ₅₀ – >350mg/kg (Rat). CCID 2-Butoxy Ethanol LD ₅₀ – 1414mg/kg (Guinea Pig) OECD Guideline 401 Harmful if swallowed. Symptoms may include: Stomach complaints, burning feeling, nausea, vomiting
DERMAL	2-Butoxy Ethanol LD ₅₀ – >2000mg/kg (Guinea Pig).OECD Guideline 402 Harmful in contact with skin. Product is absorbed through the skin. Symptoms include: Redness.
INHALATION	Ammonium Hydroxide LC ₅₀ – 4.6mg/L (Mouse) RTECS 2-Butoxy Ethanol – LC ₅₀ – 3.1mg/L (Guinea Pig) OECD Guideline 403 High concentrations – Inhalation can cause pneumonia and/or pulmonary oedema, but only after signs of corrosive effects on the mucous membranes of the eyes and/or the upper respiratory tract. Symptoms include: Irritation, Sore throat, Cough, Dizziness, Drowsiness, Difficulty in breathing, Sleepiness, Unconsciousness.

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EYE	This material can cause serious irritation to ocular tissue.
CARCINOGENICITY	No information available.
MUTAGENICITY	No information available.
REPRODUCTIVE	No information available.
TARGET ORGAN	No information available.
LONG TERM	No information available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY	2-Butoxy Ethanol: LC ₅₀ (Fish, 96 h): 1474 mg/L (Oncorhynchus mykiss) (OECD Guideline 203) 2-Butoxy Ethanol: EC ₅₀ (Algae, 72 h): 911 mg/L (Pseudokirchneriella subcapitata) (OECD Guideline 201) 2-Butoxy Ethanol: EC ₅₀ (Daphnia magna, 48 h): 1550 mg/L (OECD Guideline 202) 2-Butoxy Ethanol: NOEC (Algae, 72 h): >280 mg/L (Pseudokirchneriella subcapitata) (OECD Guideline 201) 2-Butoxy Ethanol: NOEC (Daphnia magna, 21 d): >100 mg/L (OECD Guideline 211) Avoid contaminating waterways.
PERSISTENCE / DEGRADABILITY	Readily Biodegradable.
MOBILITY	High mobility in soil and waterways.
ENVIRONMENTAL FATE	Do not allow drainage into sewer, streams or storm water systems.
BIOACCUMULATION POTENTIAL	Low potential for Bioaccumulation.
ENVIRONMENTAL IMPACT	No information available.

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION	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.
SPECIAL PRECAUTIONS FOR LANDFILL	Containers should be rinsed then disposed of in compliance with any requirements of the Resource Management Act for which approval should be sought from the Regional Authority.

14. TRANSPORT INFORMATION

LAND TRANSPORT NEW ZEALAND (NZS5433)

PROPER SHIPPING NAME	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS.
UN NUMBER	No Data Available
CLASS	No Data Available
SUBSIDIARY RISK	No Data Available
PACKAGING GROUP	No Data Available
HAZCHEM	No Data Available
EPG	No Data Available
SPECIAL PROVISIONS	No Data Available

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SEA TRANSPORT (IMDG)

PROPER SHIPPING NAME	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
UN NUMBER	No Data Available
CLASS	No Data Available
SUBSIDIARY RISK	No Data Available
PACKAGING GROUP	No Data Available
HAZCHEM	No Data Available
EMS	No Data Available
MARINE POLLUTANT	Not Listed
SPECIAL PROVISIONS	No Data Available

AIR TRANSPORT (IATA)

PROPER SHIPPING NAME	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
UN NUMBER	No Data Available
CLASS	No Data Available
SUBSIDIARY RISK	No Data Available
PACKAGING GROUP	No Data Available
HAZCHEM	No Data Available
EPG	No Data Available
SPECIAL PROVISIONS	No Data Available

15. REGULATORY INFORMATION

ENVIRONMENTAL PROTECTION AUTHORITY (NEW ZEALAND)

Hazardous Substances & New Organisms Act 1996

APPROVAL CODE	HSR002530
HSNO CLASSIFICATIONS	6.1D, 6.3A, 6.4A, 9.1D
APPROVED HANDLER	Not Required
NZIOC	Listed

16. OTHER INFORMATION

REVISION NUMBER	2 – Revised Issue
RE-ISSUE DATE	8 th October 2019

In any event the review and if necessary re-issue of an SDS shall be no longer than 5 years after the last date of issue

KEY/LEGEND	AS1336/1337	Industrial Eye Protection – Metric Units (Standards Australia).
	AS1715/1716	Respiratory Protection Devices – Metric Units (Standards Australia).
	AS2161	Industrial Safety Gloves and Mittens (Standards Australia).
	CAS	Chemical Abstracts Service.
	CCID	Chemical Classification and Information Database.
	EC ₅₀	Concentration which induces a response halfway between the baseline and maximum.
	EMS	IMDG Emergency Schedule.
	EPG	Emergency Procedures Guide.
	GHS	Globally Harmonised System.
	HSNO	Hazardous Substances and New Organisms.
	IMDG	International Maritime Dangerous Goods.
	LC ₅₀	Concentration required to kill half the members of a tested population after a specified duration.
	LD ₅₀	Dosage required to kill half the members of a tested population after a specified duration.
	NOEC	No Observed Effect Concentration

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NZIOC New Zealand Inventory of Chemicals
SDS Safety Data Sheet
UN No. UN Nations Number
WES-Ceiling Concentration that should not be exceeded at any time during any part of the working day

REFERENCES

ACGIH - American Conference of Governmental Industrial Hygienists
Workplace Exposure Standards-and Biological Exposure Indices – WorkSafe New Zealand
TOXNET – ChemIDPlus Database
IMDG Appendix B List of Marine Pollutants
IMDG Emergency Fire and Spill Codes
RTECS – Registry of Toxic Effects of Chemical Substances (maintained by US-CDC)
UN Recommendations on the Transport of Dangerous Goods Volume 1 (17th Edition) Part 3

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 in particular 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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