

SAFETY DATA SHEET



Multisan

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Multisan

OTHER NAMES: Multisan

RECOMMENDED USE: Cleaner and bactericide in dairies, dishwashing compounds and scouring powders

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 HAZARDOUS according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

HAZARD CATEGORIES

Acute Toxicity (Inhalation)	Category 5
Skin Corrosion/Irritation	Category 1C
Serious Eye Damage/Irritation	Category 1
Aquatic Toxicity (Chronic)	Category 3

PICTOGRAMS



SIGNAL WORD

DANGER

HAZARD STATEMENTS

H314 – Causes severe skin burns and eye damage.
H333 – May be harmful if inhaled.
H318 – Causes serious eye damage.
H412 – Harmful to aquatic life with long lasting effects.

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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.
P260 – Do not breathe dust.
P264 – Wash hands thoroughly after handling.
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.
P310 – Immediately call **NZ POISON CENTRE** or doctor/physician.
P321 – **WASH** affected areas well with water.
P331 – Do NOT induce vomiting.
P363 – Wash contaminated clothing before reuse.
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.
P304 + P312 – **IF INHALED:** Call NZ POISONS CENTRE or doctor/physician if you feel unwell.
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.

STORAGE

P405 – Store locked up.

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

6.1E Substances that are acutely toxic –May be harmful, Inhalation hazard.
8.2C Substances that are corrosive to dermal tissue UN PGIII.
8.3A Substances that are corrosive to ocular tissue.

Environmental Hazards

9.1C Substances that are harmful in the aquatic environment.

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
Chlorinated Trisodium Phosphate	Na ₁₃ P ₄ O ₁₇ Cl	11084-85-8	100%

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4. FIRST AID MEASURES

INGESTION	DO NOT induce vomiting. If person is conscious give water to drink. Seek medical attention.
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 without delay.
SKIN CONTACT	REMOVE contaminated clothing. IMMEDIATELY flush the contaminated skin thoroughly with water for at least 15 minutes preferably under a safety shower. Transport to hospital or doctor.
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	Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. Use firefighting procedures suitable for surrounding area. Do not approach containers suspected to be hot.
FLAMMABILITY CONDITIONS	Product is not combustible.
EXTINGUISHING MEDIA	Small fires: water spray, dry chemical, or carbon dioxide. Large fires: water spray or alcohol resistant foam.
HAZARDOUS PRODUCTS OF COMBUSTION	Decomposition may produce toxic fumes of: phosphorus oxides (PO _x), hydrogen chloride. May emit corrosive 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. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire.
PERSONAL PROTECTIVE EQUIPMENT	Breathing apparatus. Gas tight chemical resistant suit. Limit exposure duration to 1 BA set 30 mins.
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 recoverable product into labelled containers for recycling. Collect solid residues and transfer to suitable, labelled containers for disposal.
CONTAINMENT	Clean up 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. Prevent, by any means available, spillage from entering drains or water course.
EVACUATION CRITERIA	Consider evacuation (or protect in place).
PERSONAL PRECAUTIONARY MEASURES	Personnel involved in the clean-up should wear full protective clothing as listed in section 8.

7. HANDLING AND STORAGE

HANDLING	Operators should be trained in procedures for safe use of this material. Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT allow material to contact humans, exposed food or food utensils. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Use good occupational work practice. Observe manufacturer's storing and handling recommendations. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.
STORAGE	Store out of sunlight. Keep containers securely sealed. Store away from acids, oxidising and reducing agents.
CONTAINER	Packing as recommended by manufacturer – Paper bag with black PE liner. Lined metal can/pail. Plastic pail, polylined drum. Check all containers are clearly labelled and free from leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

GENERAL	No Information Available.
EXPOSURE LIMITS	No exposure limits set for CAS 11084-85-8 by WorkSafe New Zealand or Safe Work Australia.
BIOLOGICAL LIMITS	No information available on biological limit values for this product.
ENGINEERING MEASURES	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.
PERSONAL PROTECTIVE EQUIPMENT	RESPIRATOR An approved dust mask e.g. a P2 respirator, is recommended when using this product in dusty conditions. When making solutions of this material, wear an approved half face respirator equipped with an organic vapour/acid gas cartridge (specific for organic vapours, HCl, acid gas and SO ₂) with a dust/mist filter. For more information see Australian/New Zealand Standard, AS/NZS 1715:2009 and AS/NZS 1716:2012.

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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.
CLOTHING	Trousers, Long sleeved shirt and closed shoes.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE	Solid
APPEARANCE	Fine Powder
COLOUR	White
ODOUR	Mild Chlorine
pH	11.4 – 12.5 (1% solution @20°C)
SPECIFIC GRAVITY	0.75 – 0.90g/mL @ 20°C.
VAPOUR PRESSURE	No Data Available.
VAPOUR DENSITY	No Data Available.
MELTING RANGE	Decomposes at 60°C.
DECOMPOSITION TEMPERATURE	60°C.
SOLUBILITY	200g/L.

10. STABILITY AND REACTIVITY

GENERAL INFORMATION	Stable under normal conditions of use.
CHEMICAL STABILITY	Stable under normal conditions of use.
CONDITIONS TO AVOID	Avoid excessive heat, direct sunlight, static discharges, moisture, and temperature extremes. Constitutional water may be lost on heating. Keep containers dry and tightly closed to avoid moisture absorption and contamination.
MATERIALS TO AVOID	Incompatible with strong oxidizing agents, strong acids and reducing agents. Contact with acids releases toxic gases (chlorine). Reacts with chloroisocyanurates, amines and aqueous ammonia solution. When heated above 84°C, this product reacts with aqueous solutions of reducing sugars, other than sucrose, to evolve toxic levels of carbon monoxide. Product will corrode aluminium and zinc.
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition can lead to release of phosphorus oxides and chlorine.

11. TOXICOLOGICAL INFORMATION

ORAL	LD ₅₀ – 3190 - 4670mg/kg (Rat). Accidental ingestion of the material may be damaging to the health of the individual. The material can produce severe chemical burns within the oral cavity and gastrointestinal tract following ingestion.
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DERMAL	Draize score 2.75 Mildly irritating [IUCLID Datasheet for substance CAS 11084-85-8] The material can produce severe chemical burns following direct contact with the skin.
INHALATION	Bronchial irritation, with cough, and frequent attacks of bronchial pneumonia may ensue. Gastrointestinal disturbances may also occur. Chronic exposures may result in dermatitis and/or conjunctivitis.
EYE	Eye Irritation: Corneal opacity occurring within 72 hours did not exceed 2; Iris lesions occurring within 72 hours did not exceed 1 [IUCLID Datasheet for substance CAS 11084-85-8]. Eye Corrosion: pH 1% Solution 11.7 at 20°C [Manufacturer's SDS]
CARCINOGENICITY	No information available.
MUTAGENICITY	No information available.
REPRODUCTIVE	No information available.
TARGET ORGAN	No information available.
LONG TERM	Bronchial irritation, with cough, and frequent attacks of bronchial pneumonia may ensue. Gastrointestinal disturbances may also occur. Chronic exposures may result in dermatitis and/or conjunctivitis.

12. ECOLOGICAL INFORMATION

ECOTOXICITY	Harmful to aquatic life with long lasting effects. High concentrations in receiving waters will injure aquatic life by raising pH and by chlorination effect. The orthophosphate can act as a plant nutrient and precipitate heavy metals.
PERSISTENCE / DEGRADABILITY	No information available.
MOBILITY	No information available.
ENVIRONMENTAL FATE	Do not allow drainage into sewer, streams or storm water systems.
BIOACCUMULATION POTENTIAL	No information available.
ENVIRONMENTAL IMPACT	No information available.

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION	Recycle wherever possible. Special hazard may exist - specialist advice may be required. Treatment in a biological wastewater treatment system with prior approval and arrangement is also permissible providing that the substance is rendered non-hazardous and does not pose any adverse effects to human health or the environment. Containers may still present a chemical hazard/danger when empty. The residual contents of the package must be diluted to below the thresholds for the respective hazard and the diluted residue is 1% or less of the volume of the package. Puncture containers, to prevent re-use. Alternatively consult an approved Waste Management company for disposal options.
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SPECIAL PRECAUTIONS FOR LANDFILL Residues should be incinerated or buried in an authorised 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

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 HSR002491 - Additives, Process Chemicals and Raw Materials (Corrosive) Group Standard 2006
HSNO CLASSIFICATIONS 6.1E, 8.2C, 8.3A, 9.1C
APPROVED HANDLER Not Required
NZIOC Listed
HSNO CONTROLS APPLYING TO THIS SUBSTANCE 1. Hazardous Substances (Classes 6,8 and 9 Controls) Regulations 2001 T1 (R11-27), T2 (R29, 30), T4 (R7), T5 (R8), T7 (R10), T8 (R28), E1 (R32-45), E2 (R46-48), E6 (R7), E8 (R10)
2. Hazardous Substances (Packaging) Regulations 2001 P1 (R5,6,7(1),8), P3 (R9), P13* (R19), P14 (R20), PG3 (Schedule 3), P15(R21)
3. Hazardous Substances (Disposal) Regulations 2001 D4 (R8), D5 (R9), D6 (R10), D7 (R11, 12), D8 (13,14)

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4. Hazardous Substances (Emergency Management) Regulations 2001 EM1 (R6,7,9-11), EM2 (R8a), EM6 (R8e), EM7 (R8f), EM8 (R12-16, 18-20), EM11 (R25-34), EM12 (R35-41), EM13 (R42)
5. Hazardous Substances (Identification) Regulations 2001 I1 (R6,7,32-35,36.1-36.7), I2 (R8), I3 (R9), I8 (R14), I9 (R18), I10 (R19), I11 (R20), I16 (R25), I17 (R26), I18 (R27), I19 (R29-31), I21 (R37-39, 47-50), I22 (R40), I23 (R41), I28 (R46), I29 (51,52), I30 (R53)
6. Hazardous Substances (Tank Wagon and Transportable Containers) Regulations 2004 R4-43 as applicable
7. Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice 2004 Schedule 8 as applicable.
8. Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice 2004 Schedule 11 as applicable.

16. OTHER INFORMATION

REVISION NUMBER 1 – New Issue

ISSUE DATE 2nd June 2017

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.
	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
	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
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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