



SAFETY DATA SHEET


Date of Issue: 1st June 2022

Issue Number: 2

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT:	Nutrimol Colostrum Keeper
OTHER NAMES:	Nutrimol Colostrum Preserver
USE:	Colostrum preservative for use by professional users.
COMPANY IDENTIFICATION:	Bell-Booth Limited 15 Tiki Place Palmerston North New Zealand tel +64 6 358 9052 fax + 64 6 358 9051 www.bell-booth.co.nz
Emergency Telephone Numbers:	0800 80 90 91 NATIONAL POISONS CENTRE POLICE, FIRE, AMBULANCE
	0800 764 766 Dial 111

2. HAZARDS IDENTIFICATION

Product is classified as hazardous according to the Hazardous Substance (Hazard Classification) Notice 2020 under HSNO Act 1996
HSNO Approval: HSR002526, Cleaning Products (Corrosive) Group Standard 2020.
HSNO Classifications: Corrosive to metals, Category 1; Skin corrosion Category 1B; Serious eye damage, Category 1, Designed for biocidal action.
Pictograms: 
Signal word: DANGER
Hazard Statements: H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H402 Harmful to aquatic life.
Prevention Statements: P102 Keep out of reach of children. P103 Read label before use. P234 Keep only in original container. P260 Do not breathe fume/vapour. P264 Wash hands thoroughly after handling. P273 Avoid release to the environment.

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P280 Wear eye protection and gloves.

Response Statements:

P101 If medical advice is needed, have product container or label at hand.

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.

P363 Wash contaminated clothing before re-use.

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.

P310 Immediately call a POISON CENTRE or doctor.

Storage Statements:

P405 Store locked up.

P406 Store in corrosive resistant container.

Disposal Statements:

P501 Dispose of product and containers in compliance with local regulations.

3. COMPOSITION: INFORMATION ON INGREDIENTS

Common name	CAS. No	% w/w
Formic acid	64-18-6	1 - 10
Other ingredients *	proprietary	balance

* do not affect classification of mixture

4. FIRST AID MEASURES

If exposed, get medical advice. Have product container or label at hand. For advice contact National Poisons Centre (tel. 0800 764 766) or a doctor

EYES: Hold eyes open and carefully rinse eyes with running water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice.

SKIN: Wash affected area with plenty of water. Remove contaminated clothing/footwear. Get immediate medical advice. Wash contaminated clothing before re-use.

INGESTION: Rinse mouth. Give a glass or two of water to drink. Do not induce vomiting. Get medical advice. Do not give anything by mouth to an unconscious person.

INHALATION: Move to fresh air, keep warm and at rest until recovered. Call a Poison Centre or doctor immediately for advice.

FIRST AID FACILITIES: Eye wash and hand washing facilities.

ADVICE TO DOCTOR: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLASH POINT: Nonflammable.

FLAMMABLE LIMITS: LFL: Not determined UFL: Not determined

EXTINGUISHING MEDIA: Use water spray, dry agent, carbon dioxide or alcohol-resistant foam.

FIRE & EXPLOSION HAZARDS: Will emit irritating/harmful gases and vapours if heated to decomposition.

FIRE-FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and personal protection clothing.

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HAZCHEM Code: 2X

6. ACCIDENTAL RELEASE MEASURES

SPILLS: Contain spillage. Prevent from entering drains or other waterways. Stay upwind of spill area. Wear gloves, eye protection and coveralls/boots. Keep non-essential personnel away from area. Recover product and contaminated material (absorbent) into suitable labelled container that can be sealed. Dispose of to landfill. After cleaning, flush away traces with water.

DISPOSAL: Use product as per label or get advice from supplier or local council to dispose of unwanted or contaminated material in accordance with local regulations.

7. HANDLING AND STORAGE

HANDLING: Read label before use. Use product only for intended purpose. Do not eat, drink or smoke when using. Observe good personal hygiene. Wear personal protective equipment. In case of insufficient ventilation, wear suitable respiratory equipment. Wash hands after use and before rest or meal breaks. Launder contaminated protective clothing before re-use. Contaminated work clothing should not be allowed out of the workplace.

STORAGE: Keep out of reach of children. and prevent access by pets/domestic animals. Store locked up in dry, well-ventilated area, out of direct sunlight. Product is corrosive to metals. Store in original container. Ensure containers are labelled, protect from physical damage, and keep closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES: Workplace Exposure Standards (WES) have been set (April 2022) for components in this product.

	WES-TWA	WES-STEL
Formic acid	5 ppm (9.4 mg/m ³)	10 ppm (19 mg/m ³)

ENGINEERING CONTROLS: Ensure adequate ventilation. Not required when used outdoors or in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Face/Eye protection: Wear tightly fitting safety goggles or face shield.

Skin protection: Wear gloves, e.g. neoprene. Wear long sleeved clothing, e.g. overalls, chemical resistant apron and closed in footwear.

Respiratory protection: Not required when used outdoors or in a well-ventilated area. If risk of inhaling concentrations above the exposure limit wear a suitable respiratory device.

Other: The following Standards provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colorless liquid.
Odor:	No information available
Odor threshold:	Not available
pH:	<2
Melting point (°C):	Not available

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Boiling point (°C):	Not available
Flash point (°C):	Non-flammable
Flammability (solid, gas):	Not applicable
Upper/lower flammability:	Not applicable
Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	1.02
Solubility:	Soluble in water
Partition Coefficient: -octanol/water:	Not available.
Autoignition temperature (°C):	Not known
Decomposition temperature:	Not known
Kinematic viscosity:	Not available
VOC Content:	9.928

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions (temperature, pressure) of storage and use.

CONDITIONS TO AVOID: Exposure to air or moisture over prolonged periods. To avoid thermal decomposition, do not overheat. Avoid extremes of temperature and sunlight.

MATERIALS TO AVOID: Oxidizing materials, strong acids, bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition can lead to release of irritating/harmful gases and vapours.

HAZARDOUS POLYMERIZATION: Not known to occur.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS: This section includes possible adverse effects, which might occur if this product is not handled in the recommended manner.

Acute toxicity: Not classified as acutely toxic by ingestion, skin contact or inhalation.

Aspiration hazard: No information available to indicate aspiration hazard.

Respiratory irritation: Fumes/vapours may be irritating if inhaled.

Skin corrosion/irritation: Corrosive. Causes severe skin burns.

Serious eye damage/irritation: Corrosive. May cause serious damage to eyes.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific organ toxicity: No components in this mixture are identified as causing adverse effects on target organs or systems by single or repeated exposure.

Narcotic effects: No information available.

Toxicity data:

Formic acid	Rat, oral, LD ₅₀ 1110 mg/kg b.w.
	Rat, inhalation, LC ₅₀ 15 g/m ³

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Aquatic environment: Designed for biocidal action so may be harmful to aquatic life. Do not allow product to contaminate waterways, drains or sewers.

Soil ecotoxicity: Not classified.

Terrestrial vertebrates: Not classified.

Terrestrial invertebrates: Not classified.

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Ecotoxicological data on components:

Formic acid Algae; *Desmodesmus subspicatus* EC₅₀ (72 hr) 25 mg/L
 Desmodesmus subspicatus EC₅₀ (96 hr) 26.9 mg/L
Crustacea; *Daphnia magna*, LC₅₀ (48 hr) 120 mg/L
 Daphnia magna, LC₅₀ (48 hr) static 138 – 165.6 mg/L
Fish; *Lepomis macrochirus*, LC₅₀ (24 hr) 0 175 mg/L

PERSISTENCE AND DEGRADATION: No information available

POTENTIAL TO BE BIOACCUMULATIVE: No information available to indicate bioaccumulative effects.

MOBILITY IN SOIL: No information available

OTHER ADVERSE EFFECTS: No specific information available.

13. DISPOSAL CONSIDERATIONS

Product: Use product as per label directions. Dispose of waste (unwanted product or residues) to landfill in accordance with Regional Authority or local council bylaws.

Packaging: Dispose of empty rinsed packaging by recycling or crushing and burying in landfill. Do not use for storage of other products.

Special Precautions: No specific information available.

Unsuitable methods: Do not dispose of into drains, sewers or other waterways.

14. TRANSPORT REGULATIONS

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	1779	UN No.	1779	UN No.	1779
Proper Shipping Name	FORMIC ACID	Proper Shipping Name	FORMIC ACID	Proper Shipping Name	FORMIC ACID
DG Class	8	DG Class	8	DG Class	8
Sub. Risk		Sub. Risk		Sub. Risk	
Pack Group	II	Pack Group	II	Pack Group	II
Hazchem	2X	Hazchem	2X		

Dangerous Goods Segregation

This product is classified as a Dangerous Good Class 8, CORROSIVE..

Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2020 Transport of Dangerous Goods on Land for information.

15. REGULATORY INFORMATION

Country: New Zealand

Inventory: Components listed.

EPA New Zealand HSNO Approval Code: HSR002526, Cleaning Products Group Standard 2020.

For information on Controls refer to www.epa.govt.nz and www.worksafe.govt.nz.

Safety Data Sheet:

Restricted to workplace only:

Quantity that requires management in accordance with HSW HS Regulations:

Quantity for secondary containment and emergency response plan:

Quantity for signage:

Any quantity

No

1000 L or 1000 kg

1000 L or 1000 kg

250 L or 250 kg

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Qualified Handler:	No
Certified Handler:	No
Location certificate:	50 L or 50 kg
Tracking	No

16. OTHER INFORMATION

Date of Issue: 1st June 2022
Reasons for Issue: Review of SDS and update classifications.
Replaces: SDS dated 12 July 2018.

Abbreviations:

bw	body weight
EEL	Environmental Exposure Limit
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms
LD ₅₀	Dose lethal to 50% of population
NOAEL	No observed adverse effect level
NZS	New Zealand Standard
TWA	Time weighted average
WES	Workplace Exposure Standard

References: Supplier Safety Data Sheet
CCID; www.epa.govt.nz

Other information:

Before using any product, read its label carefully and ensure that you understand its contents. This information is, to the best of our knowledge and belief, accurate and reliable at the date of publication. The information relates only to the specific material designated and may not be valid for such material if it is used in combination with any other material(s). Bell-Booth Limited disclaims any liability for loss or damage suffered from the use of this information. This does not affect your statutory rights. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for his/her own particular use.

END of SAFETY DATA SHEET