Safety Data Sheet
according to WHS Regulations

Date of issue: 17.05.2025 Revision date: 06.05.2025

1 Identification

Product Name: B450 Innogel

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use:
Rust remover for stainless steel. Must be used in accordance with manufacturers recommendations.

Details of Manufacturer or Importer:
Better Hardware Pty Ltd
14A Levanswell Road,
Moorabbin Victoria 3189

Phone Number: 03 9111 5779

Emergency telephone number: National Poisons Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:
Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)


GHS05 Corrosion

Skin corrosion/irritation – Category 1B H314 Causes severe skin burns and eye damage.


GHS07

Eye damage/irritation – Category 2A H319 Causes serious eye irritation.

Signal Word Danger

Hazard Statements
H314 Causes severe skin burns and eye damage.
H319 Causes serious eye irritation.

Precautionary Statements

P260	Do not breathe dusts or mists.
P264	Wash thoroughly after handling.
P280	Wear eye protection / face protection.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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.
P304+P340	IF INHALED: Remove victim 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 CENTER/doctor.
P321	Specific treatment (see on this label).
P337+P313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.

(Contd. on page 2)

Safety Data Sheet
according to WHS Regulations

Date of issue: 17.05.2025 Revision date: 06.05.2025

Product Name: B450 Innogel

(Contd. of page 1)

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:		
CAS: 5949-29-1	Citric acid monohydrate Skin corrosion/irritation – Category 2, H315; Eye damage/irritation – Category 2A, H319	5-15%
CAS: 7664-38-2	Phosphoric acid Skin corrosion/irritation – Category 1B, H314; Acute toxicity - oral – Category 4, H302; Acute toxicity - inhalation – Category 4, H332	<10.0%

4 First Aid Measures

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

Skin Contact:
In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:
In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion:
If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:
Inhalation: No considered a potential route of exposure.
Skin Contact: Causes severe skin burns.
Eye Contact: Causes serious eye damage.
Ingestion: May cause irritation and burning of the mouth and throat.

5 Fire Fighting Measures

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:
No hazardous decomposition products known.
Product is non flammable.
Containers close to fire should be removed only if safe to do so. Use water spray to Minimise run-off from fire fighting entering drains or water courses.

Special Protective Equipment and Precautions for Fire Fighters:
When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:
Wear approved chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area.

Environmental Precautions:
In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:
Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. For large spills, use sodium hydroxide for neutralisation.

(Contd. on page 3)

Safety Data Sheet
according to WHS Regulations

Date of issue: 17.05.2025 Revision date: 06.05.2025

Product Name: B450 Innogel

(Contd. of page 2)

7 Handling and Storage

Precautions for Safe Handling:
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.
Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:
Store in a cool, dry ventilated area. Keep container tightly closed. Protect from frost and freezing temperatures. Keep away from bases and inorganic preparations.

8 Exposure Controls and Personal Protection

Exposure Standards:	
CAS: 7664-38-2 Phosphoric acid	
WES	STEL: 3 mg/m³ TWA: 1 mg/m³

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection: Respiratory protection is not required under normal use conditions.

Skin Protection:
Natural rubber, latex or PVC gloves should be used. See Australian/New Zealand Standard AS/NZS 2161 for more information.
When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Eye and Face Protection:
Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:	Gelatinous
Form:	Liquid
Colour:	Green
Odour:	Insignificant
Odour Threshold:	No information available
pH-Value:	1.4
Melting point/freezing point:	0 °C
Initial Boiling Point/Boiling Range:	101 °C
Flash Point:	Not applicable
Flammability	Product is not flammable
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density at 25 °C:	1.14 g/cm³
Relative Density:	Not determined.
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Completely soluble
Partition Coefficient (n-octanol/water):	No information available

(Contd. on page 4)

Safety Data Sheet
according to WHS Regulations

Date of issue: 17.05.2025 Revision date: 06.05.2025

Product Name: B450 Innogel

(Contd. of page 3)

Organic solvents:
Physical state Liquid

10 Stability and Reactivity

Possibility of Hazardous Reactions: No dangerous reactions known under conditions of normal use.

Chemical Stability: Stable under conditions of normal use and storage.

Conditions to Avoid: Protect from frost and freezing temperatures.

Incompatible Materials: Incompatible with bases and inorganic preparations.

Hazardous Decomposition Products: No hazardous decomposition products known.

11 Toxicological Information

Toxicity:

LD50/LC50 Values:		
CAS: 5949-29-1 Citric acid monohydrate		
Oral	LD50	11,700 mg/kg (Rattus norvegicus (rat))
CAS: 7664-38-2 Phosphoric acid		
Oral	LD50	1,530 mg/kg (Rattus norvegicus (rat))
	LD50	2,740 mg/kg (Oryctolagus cuniculus (rabbit))
Inhalation	LC50/1 h	>850 mg/m³ (Rattus norvegicus (rat))

Acute Health Effects
Inhalation: No adverse health effects expected.
Skin: Causes severe skin burns.
Eye: May cause eye irritation.
Ingestion: No adverse health effects expected.

Skin Corrosion / Irritation: Causes severe skin burns.

Serious Eye Damage / Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: Based on classification principles, the classification criteria are not met.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:
Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:
Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No data associated with long term health effects.

Existing Conditions Aggravated by Exposure: No data available.

12 Ecological Information

Ecotoxicity:

Aquatic toxicity:
No adverse ecological effects are expected. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

(Contd. on page 5)

Safety Data Sheet
according to WHS Regulations

Date of issue: 17.05.2025 Revision date: 06.05.2025

Product Name: B450 Innogel

(Contd. of page 4)

CAS: 5949-29-1 Citric acid monohydrate	
LC50	833 mg/l (fish)
CAS: 7664-38-2 Phosphoric acid	
EC50	270 mg/l (Activated sludge)
EC50/48 h	>100 mg/l (Daphnia magna (water flea))
EC50/72 h	>100 mg/l (Scenedesmus subspicatus (green algae))
LC50/96 h	138 mg/l (Gambusia affinis (mosquito fish))

Persistence and Degradability: No data available on finished product.

Bioaccumulative Potential: No data available on finished product.

Mobility in Soil: No data available on finished product.

Other adverse effects: No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:
Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

15 Regulatory Information

Australian Inventory of Industrial Chemicals:
All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:
Not a scheduled poison.

16 Other Information

Date of Preparation or Last Revision: 06.05.2025

Prepared by: MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations and acronyms:
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)
Acute toxicity - oral – Category 4: Acute toxicity – Category 4
Skin corrosion/irritation – Category 1B: Skin corrosion/irritation – Category 1B
Skin corrosion/irritation – Category 2: Skin corrosion/irritation – Category 2
Eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A

(Contd. on page 6)

Safety Data Sheet

according to WHS Regulations

Date of issue: 17.05.2025 Revision date: 06.05.2025

Product Name: B450 Innogel

(Contd. of page 5)

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - June 2023”.

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