

# SAFETY DATA SHEET

## SILVO METAL POLISH

Infosafe No.: FMR7W  
ISSUED Date : 28/11/2019  
ISSUED by: RB (HYGIENE HOME) AUSTRALIA  
PTY LTD

### 1. Identification

**GHS Product Identifier**

SILVO METAL POLISH

**Product Code**

D8340650 v4.0L

**Company name**

RB (HYGIENE HOME) AUSTRALIA PTY LTD (ABN 58 629 549 506)

**Address**680 George St Sydney  
NSW 2000 AUSTRALIA**Telephone/Fax Number**

Tel: +61 (0)2 9857 2000

**Emergency phone number**

Poison information contact: 13 11 26

**Recommended use of the chemical and restrictions on use**

Consumer

**Other Names**

Name	Product Code
SILVO METAL POLISH	3072390 V1.0
SILVO METAL POLISH	D8340650 v4.0L
SILVO METAL POLISH	3072390 v1.0

**Additional Information**

SDS no.: D8340650 v4.0L

Formulation #: 3072390 v1.0

### 2. Hazard Identification

**GHS classification of the substance/mixture**

Eye Damage/Irritation: Category 2A

Flammable Liquids: Category 3

**Signal Word (s)**

WARNING

**Hazard Statement (s)**

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

**Precautionary statement – General**

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

P102 Keep out of reach of children.

**Pictogram (s)**

Flame, Exclamation mark

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### Precautionary statement – Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P264 Wash contaminated skin thoroughly after handling.

### Precautionary statement – Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

### Precautionary statement – Storage

P403+P235 Store in a well-ventilated place. Keep cool.

### Precautionary statement – Disposal

P501 Dispose of contents/container to / in accordance with all local and regional regulations..

### Supplemental Information

Not applicable.

### Other Information

Additional information

No known significant effects or critical hazards.:

Recommendations:

No known significant effects or critical hazards.

Other hazards which do not result in classification:

None known.

## 3. Composition/information on ingredients

### Ingredients

Name	CAS	Proportion
Propan-2-ol	67-63-0	$\geq 10$ - $\leq 20$ % w/w
Ammonium hydroxide	1336-21-6	$< 1$ % w/w

### Other Information

Substance/mixture: Mixture

Other Non-hazardous ingredients to 100%

Occupational exposure limits, if available, are listed in Section 8(Exposure Controls/Personal Protection).

## 4. First-aid measures

### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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### Ingestion

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Skin

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

### Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

### Advice to Doctor

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### Indication of immediate medical attention and special treatment needed if necessary

No specific treatment.

### Protection for First Aiders

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

### Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

Eye contact:

Adverse symptoms may include the following:

pain or irritation

watering

redness

Inhalation: No specific data.

Skin contact: No specific data.

Ingestion: No specific data.

### Other Information

See toxicological information (Section 11 (Toxicological Information))

## 5. Fire-fighting measures

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### Suitable Extinguishing Media

Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

### Unsuitable Extinguishing Media

Do not use water jet.

### Hazards from Combustion Products

Hazardous thermal decomposition products:

No specific data.

### Special Protective Equipment for fire fighters

Special protective actions for fire-fighters:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters:

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Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Specific Hazards Arising From The Chemical

Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

### Hazchem Code

•3Y

### Decomposition Temperature

Not determined

## 6. Accidental release measures

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### Personal Precautions

For non-emergency personnel:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders:

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### Clean-up Methods - Small Spillages

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

### Clean-up Methods - Large Spillages

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13(Disposal Considerations)). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1(Identification) for emergency contact information and Section 13(Disposal Considerations) for waste disposal.

### Environmental Precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Other Information

See Section 1(Identification of the Substance/Preparation and Company/Undertaking) for emergency contact information.

See Section 8(Exposure Controls/Personal Protection) for information on appropriate personal protective equipment.

See Section 13(Disposal Considerations) for additional waste treatment information.

## 7. Handling and storage

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### Precautions for Safe Handling

Protective measures:

Put on appropriate personal protective equipment (see Section 8(Exposure Controls/Personal Protection)). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8(Exposure Controls/Personal Protection) for additional information on hygiene measures.

### Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10(Stability and Reactivity)) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10(Stability and Reactivity) for incompatible materials before handling or use.

## 8. Exposure controls/personal protection

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### Occupational exposure limit values

Control parameters

Australia

Occupational exposure limits

Ingredient name / Exposure limits

propan-2-ol

Safe Work Australia (Australia, 1/2014).

STEL: 1230 mg/m<sup>3</sup> 15 minutes.

STEL: 500 ppm 15 minutes.

TWA: 983 mg/m<sup>3</sup> 8 hours.

TWA: 400 ppm 8 hours.

New Zealand

Occupational exposure limits

No exposure standard allocated.

Ingredient name / Exposure limits

Isopropyl alcohol

NZ HSWA 2015 (New Zealand, 11/2017).

WES-TWA: 400 ppm 8 hours.

WES-TWA: 983 mg/m<sup>3</sup> 8 hours.

WES-STEL: 1230 mg/m<sup>3</sup> 15 minutes.

WES-STEL: 500 ppm 15 minutes.

### Appropriate engineering controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### Respiratory Protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

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### Eye Protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

### Hand Protection

Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

### Personal Protective Equipment

Other skin protection:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### Body Protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

### Hygiene Measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### Other Information

Environmental exposure controls:

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.

## 9. Physical and chemical properties

Properties	Description	Properties	Description
Form	Liquid	Colour	Ochre coloured.
Odour	Smell of ammonia.	Decomposition Temperature	Not determined
Melting Point	Not determined	Boiling Point	Not determined
Solubility	Not determined	Solubility in Water	Partially soluble in the following materials: cold water and hot water.
pH	10 to 10.6	Vapour Pressure	Not determined
Vapour Density (Air=1)	Not determined	Evaporation Rate	Not determined
Physical State	Liquid. [Viscous liquid.]	Odour Threshold	Not determined
Partition Coefficient: n-octanol/water	Not determined	Flash Point	28°C (Closed Cup) 82.4°F
Flammability	Not determined	Auto-Ignition Temperature	Not determined
Flammable Limits - Lower	Not determined	Flammable Limits - Upper	Not determined
Explosion Limit - Upper	Not determined	Explosion Limit - Lower	Not determined
Dynamic Viscosity	Dynamic (room temperature): 140 to 800 mPa·s (140 to 800 cP)	Relative density	0.98 to 1.02

#### Other Information

Flow time (ISO 2431):

## 10. Stability and reactivity

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#### Reactivity

No specific test data related to reactivity available for this product or its ingredients.

#### Chemical Stability

The product is stable.

#### Conditions to Avoid

Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

#### Incompatible materials

Reactive or incompatible with the following materials:  
oxidizing materials

#### Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

#### Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

## 11. Toxicological Information

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#### Toxicology Information

Acute toxicity

Product/ingredient name / Result / Species / Dose

propan-2-ol

LD50 Dermal Rabbit 12800 mg/kg

LD50 Oral Rat 5000 mg/kg

Conclusion/Summary : Based on available data, the classification criteria are not met.

Irritation/Corrosion

Product/ingredient name / Result / Species / Exposure

propan-2-ol

Eyes - Moderate irritant Rabbit 24 hours 100 milligrams

Eyes - Moderate irritant Rabbit 10 milligrams

Eyes - Severe irritant Rabbit 100 milligrams

Skin - Mild irritant Rabbit 500 milligrams

Conclusion/Summary

Skin : Based on available data, the classification criteria are not met. May cause skin irritation.

Eyes : Based on Calculation method: Causes serious eye irritation.

Sensitisation

Not available.

Conclusion/Summary

Skin : No known significant effects or critical hazards.

#### Mutagenicity

Not available.

Conclusion/Summary : No known significant effects or critical hazards.

#### Carcinogenicity

Not available.

Conclusion/Summary : No known significant effects or critical hazards.

#### Reproductive Toxicity

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Not available.

Conclusion/Summary : No known significant effects or critical hazards.

### STOT-single exposure

Name / Category / Route of exposure / Target organs  
propan-2-ol Category 3 Not applicable. Narcotic effects

### STOT-repeated exposure

Not available.

### Aspiration Hazard

Not available.

### Other Information

Teratogenicity

Not available.

Conclusion/Summary : No known significant effects or critical hazards.

Information on likely routes of exposure: Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact:

Adverse symptoms may include the following:

pain or irritation

watering

redness

Inhalation:No specific data.

Skin contact: No specific data.

Ingestion: No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects: Not available.

Potential delayed effects: Not available.

Long term exposure

Potential immediate effects: Not available.

Potential delayed effects: Not available.

Potential chronic health effects

Not available.

General : Based on available data, the classification criteria are not met.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

## 12. Ecological information



#### Ecological information

##### Toxicity

Product/ingredient name / Result / Species / Exposure

propan-2-ol

Acute EC50 10100 mg/l Fresh water Daphnia - Daphnia magna 48 hours

Acute LC50 1400000 ug/l Marine water Crustaceans - Crangon crangon 48 hours

Acute LC50 4200 mg/l Fresh water Fish - Rasbora heteromorpha 96 hours

Conclusion/Summary: Based on available data, the classification criteria are not met.

#### Persistence and degradability

Not available.

#### Mobility

Mobility in soil

Soil/water partition coefficient (KOC): Not available.

#### Bioaccumulative Potential

Product/ingredient name / LogPow / BCF / Potential

propan-2-ol / 0.05 / - / low

#### Other Adverse Effects

No known significant effects or critical hazards.

### 13. Disposal considerations

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#### Disposal considerations

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

### 14. Transport information

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#### Transport Information

ADG

UN number: UN1993

Proper shipping name: FLAMMABLE LIQUID,N.O.S. (Isopropyl alcohol solution)

Classes: 3

PG\*: III

Environmental hazards: No.

ADR/RID

UN number: UN1993

Proper shipping name: FLAMMABLE LIQUID,N.O.S. (ISOPROPYL ALCOHOL SOLUTION)

Classes: 3

PG\*: III

Environmental hazards: No.

IMDG

UN number: UN1993

Proper shipping name: FLAMMABLE LIQUID,N.O.S. (ISOPROPYL ALCOHOL SOLUTION)

Classes: 3

PG\*: III

Environmental hazards: No.

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IATA

UN number: UN1993

Proper shipping name: FLAMMABLE LIQUID, N.O.S. (ISOPROPYL ALCOHOL SOLUTION)

Classes: 3

PG\*: III

Environmental hazards: No.

Additional information

ADG: Hazchem code •3Y

Special provisions 223, 274

ADR/RID: Limited quantity 5 L

Special provisions 274, 601

Tunnel code (E)

IMDG: Emergency schedules F-E, \_S-E\_

Special provisions 223, 274, 955

IATA: Quantity limitation Passenger and Cargo Aircraft: 60 L. Packaging instructions: 355. Cargo Aircraft Only: 220 L. Packaging instructions: 366. Limited Quantities -Passenger Aircraft: 10 L. Packaging instructions: Y344.

Special provisions A3

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code:

Not available.

### U.N. Number

1993

### UN proper shipping name

FLAMMABLE LIQUID, N.O.S.

### Transport hazard class(es)

3

### Packing Group

III

### Hazchem Code

•3Y

### IERG Number

14

### UN Number (Air Transport, ICAO)

1993

### IATA/ICAO Proper Shipping Name

Flammable liquid, n.o.s.

### IATA/ICAO Hazard Class

3

### IATA/ICAO Packing Group

III

### IMDG UN No

1993

### IMDG Proper Shipping Name

Flammable liquid, n.o.s.

### IMDG Hazard Class

3

### IMDG Pack. Group

III

## 15. Regulatory information

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### Regulatory information

Model Work Health and Safety Regulations - Scheduled Substances  
No listed substance

Australia inventory (AICS) : All components are listed or exempted.  
New Zealand Inventory of Chemicals (NZIoC) : All components are listed or exempted.  
HSNO Group Standard : Cleaning Products (Flammable)  
HSNO Approval Number : HSR0025  
Approved Handler Requirement : No.  
Tracking Requirement : No.

### Poisons Schedule

S5

## 16. Other Information

### User Codes

User Title Label	User Codes
Wis Numbers	03953918

### Other Information

Key to abbreviations:

ADG = Australian Dangerous Goods

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
("Marpol" = marine pollution)

NOHSC = National Occupational Health and Safety Commission

SUSMP = Standard Uniform Schedule of Medicine and Poisons

UN = United Nations

Procedure used to derive the classification

Classification / Justification

FLAMMABLE LIQUIDS - Category 3 / Expert judgment

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 / Calculation method

References : Not available.

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