

1. Product and Company Identification

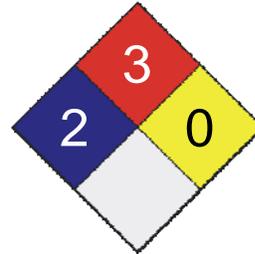
Product Name SILVO® Metal Polish
CAS # Mixture
**This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the Canadian Workplace Hazardous Materials Information System (WHMIS).
 This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.**

Product Use Metal Polish

Distributed by Reckitt Benckiser (Canada) Inc.
 1680 Tech Avenue Unit #2
 Mississauga, ON L4W 5S9
 In Case of Emergency: 1-800-338-6167
 Transportation Emergencies: 24 Hour Number:
 North America: CHEMTREC: 1-800-424-9300
 Outside North America: 1-703-527-3887

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	* 2
Flammability	3
Physical Hazard	0
Personal Protection	B



2. Hazards Identification

Emergency Overview DANGER
 FLAMMABLE
 POISON. IRRITANT.
 Keep out of reach of children.
 FUMES MAY CATCH FIRE.
 CONTENTS HARMFUL.
 MAY IRRITATE EYES AND SKIN. DO NOT smoke. DO NOT swallow. DO NOT get in eyes or skin or clothing. Wear suitable gloves. Use only in well-ventilated areas. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor.

Potential short term health effects

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.
Eyes Causes irritation.
Skin May cause irritation.
Inhalation Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
Ingestion Do not swallow. May cause stomach distress, nausea or vomiting.
Target organs Eyes. Lungs. Respiratory system. Skin. Stomach.
Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Signs and symptoms Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Potential environmental effects See section 12.

3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Silica-crystalline, quartz	14808-60-7	10 - 30
Silica, amorphous, fumed	7631-86-9	10 - 30
Kaolin	1332-58-7	10 - 30
Isopropanol	67-63-0	15 - 40

4. First Aid Measures

First aid procedures

Eye contact	If in eyes, rinse eyes with water. Remove any contact lenses and continue to rinse eyes for at least 15 minutes. If irritation persists, contact a physician.
Skin contact	If on skin, rinse well with water. If on clothes, remove clothes. If irritation persists, contact a physician.
Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion	If swallowed, call a Poison Control Centre or doctor immediately. DO NOT induce vomiting.

Notes to physician

Symptoms may be delayed.

General advice

Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire-fighting Measures

Flammable properties	Flammable by WHMIS criteria. Vapours may travel to a source of ignition and flash back.
Extinguishing media	
Suitable extinguishing media	Carbon dioxide. Alcohol foam. Dry chemical. Water spray.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Not available
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon. Oxides of sulphur. Oxides of nitrogen. Ammonia.
Explosion data	
Sensitivity to mechanical impact	Not available
Sensitivity to static discharge	Not available

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters. Inform the relevant authorities if the product has caused environmental pollution.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

7. Handling and Storage

Handling	Ensure adequate ventilation. Use good industrial hygiene practices in handling this material. When using do not eat or drink. Do not smoke. Wash hands before breaks and immediately after handling the product.
Storage	Keep out of reach of children. Do not store at temperatures above 120°F (49°C). Store in a closed container away from incompatible materials. Keep container protected from direct sunlight, in a dry, cool, well ventilated area, and away from food and drink.

8. Exposure Controls / Personal Protection

Exposure limit values

Ingredient(s)	Exposure limit values
Isopropanol	ACGIH-TLV TWA: 200 ppm STEL: 400 ppm
Kaolin	ACGIH-TLV TWA: 2 mg/m3
Silica, amorphous, fumed	ACGIH-TLV Not established
Silica-crystalline, quartz	ACGIH-TLV TWA: 0.1 mg/m3

Engineering controls

General ventilation normally adequate.

Personal protective equipment

Consult the product label for special protection or precautions that have been identified for using this product under directed consumer use conditions. The following recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure.

Eye / face protection

Wear safety glasses with side shields.

Hand protection

It is a good industrial hygiene practice to minimize skin contact. For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn. Confirm with reputable supplier first.

Skin and body protection

As required by employer code.

Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.
When using do not eat or drink.
Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Appearance	Opaque
Colour	Off white. Beige.
Form	Liquid
Odour	ammoniacal
Odour threshold	Not available
Physical state	Liquid
pH	10 (Basic)
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation Rate	Not available

Flash point	21.667 °C (71.00 °F) Setaflash Closed Tester
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability Limits in Air, Upper, % by Volume	Not available
Vapour pressure	Not available
Vapour density	Not available
Specific gravity	1.09 (Water=1)
Octanol/water coefficient	Not available
Solubility (H2O)	Miscible
VOC (Weight %)	Not available
Viscosity	Viscous
Percent volatile	Not available

10. Stability and Reactivity

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Avoid high temperatures. Do not mix with other chemicals.
Incompatible materials	Oxidizers. Acids.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of sulphur. Oxides of nitrogen. Ammonia.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
Isopropanol	16970 mg/l/4h rat
Kaolin	Not available
Silica, amorphous, fumed	Not available
Silica-crystalline, quartz	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Isopropanol	4396 mg/kg rat
Kaolin	Not available
Silica, amorphous, fumed	5000 mg/kg rat
Silica-crystalline, quartz	500 mg/kg rat

Effects of acute exposure

Eye	Causes irritation.
Skin	May cause irritation.
Inhalation	Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
Ingestion	Do not swallow. May cause stomach distress, nausea or vomiting.
Sensitisation	The finished product is not expected to have chronic health effects.
Chronic effects	The finished product is not expected to have chronic health effects.

Prolonged or repeated exposure to fine airborne crystalline silica dust may cause severe scarring of the lungs, a disease called silicosis. Early symptoms of silicosis include cough, mucous production and shortness of breath upon exertion.

Carcinogenicity	The finished product is not expected to have chronic health effects.	
ACGIH - Threshold Limit Values - Carcinogens		
Silica-crystalline, quartz	14808-60-7	A2 - Suspected Human Carcinogen
IARC - Group 1 (Carcinogenic to Humans)		
Silica-crystalline, quartz	14808-60-7	Monograph 100C [in preparation] (listed under Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources); Monograph 68 [1997]
Mutagenicity	The finished product is not expected to have chronic health effects.	
Reproductive effects	The finished product is not expected to have chronic health effects.	
Teratogenicity	The finished product is not expected to have chronic health effects.	
Name of Toxicologically Synergistic Products	Not available	

12. Ecological Information

Ecotoxicity	Components of this product have been identified as having potential environmental concerns.	
Ecotoxicity - Freshwater Algae - Acute Toxicity Data		
Isopropanol	67-63-0	96 Hr EC50 <i>Desmodesmus subspicatus</i> : >1000 mg/L; 72 Hr EC50 <i>Desmodesmus subspicatus</i> : >1000 mg/L
Silica, amorphous, fumed	7631-86-9	72 Hr EC50 <i>Pseudokirchneriella subcapitata</i> : 440 mg/L
Ecotoxicity - Freshwater Fish - Acute Toxicity Data		
Isopropanol	67-63-0	96 Hr LC50 <i>Pimephales promelas</i> : 9640 mg/L [flow-through]; 96 Hr LC50 <i>Pimephales promelas</i> : 11130 mg/L [static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : >1400000 µg/L
Silica, amorphous, fumed	7631-86-9	96 Hr LC50 <i>Brachydanio rerio</i> : 5000 mg/L [static]
Ecotoxicity - Water Flea - Acute Toxicity Data		
Isopropanol	67-63-0	48 Hr EC50 <i>Daphnia magna</i> : 13299 mg/L
Silica, amorphous, fumed	7631-86-9	48 Hr EC50 <i>Ceriodaphnia dubia</i> : 7600 mg/L
Persistence and degradability	Not available	
Bioaccumulation/accumulation	Not available	
Mobility in environmental media	Not available	
Environmental effects	Not available	
Aquatic toxicity	Not available	
Partition coefficient	Not available	
Chemical fate information	Not available	
Other adverse effects	Not available	

13. Disposal Considerations

Disposal instructions	Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

U.S. Department of Transportation (DOT)

UN1219, Isopropanol Solution, Class 3, PG II, Limited
Quantity

Transportation of Dangerous Goods (TDG - Canada)

UN1219, Isopropanol Solution, Class 3, PG II, Limited
Quantity

IMDG (Marine Transport)

UN1219, Isopropanol Solution, Class 3, PG II, Limited
Quantity, F/P 21.667°C

IATA/ICAO (Air)

UN1219, Isopropanol Solution, Class 3, PG II

15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Canada - CEPA - High Priority Chemicals as Identified by DSL Categorization

Silica-crystalline, quartz 14808-60-7 Batch 12, published December 26, 2009

Canada - WHMIS - Ingredient Disclosure List

Isopropanol	67-63-0	1 %
Silica, amorphous, fumed	7631-86-9	1 %
Silica-crystalline, quartz	14808-60-7	1 %

WHMIS classification Exempt - Consumer product

Inventory Status

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer This product should only be used as directed on the label and for the purpose intended. To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Further information SILVO® Metal Polish, 142 mL - 890431v5.0

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Expiry Date 15-Sept-2015

Prepared by Reckitt Benckiser Regulatory Department 800-333-3899

Other Information For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.