



Issue date 08-Jan-2018

Safety Data Sheet

Version 2

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product name HAGERTY SILVERSMITHS' SPRAY POLISH
Chemical name 7-8210

Other means of identification

Product code FG 449-4034
Synonyms Metal and silver polish.

Recommended use of the chemical and restrictions on use

Recommended Use To clean, polish and protect all sterling, silverplate and gold.
Uses advised against Do not use on surfaces that come in contact with food

Details of the supplier of the safety data sheet

Supplier Address W.J. Hagerty & Sons, Ltd., Inc.
South Bend, Indiana 46624
574-288-4991
Manufacturer Address Chase Products Co.
2727 Gardner Road
Broadview, IL 60155
708-273-1121

Emergency Telephone Number

Company Phone Number 708-865-1000
24 Hour Emergency Phone Number 1-800-255-3924

2. Hazards Identification

Classification

Skin corrosion/irritation	Category 2
Carcinogenicity	Category 1B
Aspiration toxicity	Category 1
FLAMMABLE AEROSOLS	Category 1
Gases Under Pressure	liquefied gas

Label Elements

EMERGENCY OVERVIEW

DANGER

hazard statements

CAUSES SKIN IRRITATION
May cause cancer
May be fatal if swallowed and enters airways
EXTREMELY FLAMMABLE AEROSOL
Contains gas under pressure; may explode if heated



Appearance Light red (almost pink) thick

Physical State Aerosol

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liquid.

Odor Characteristic odor of chlorinated solvent.

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves, protective clothing, eye protection and face protection.
Wash face, hands and any exposed skin thoroughly after handling
Keep away from heat, sparks, open flames and hot surfaces. — No smoking
Pressurized container: Do not pierce or burn, even after use
Do not spray on an open flame or other ignition source

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
Specific measures. See First Aid Measures on this SDS.
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse
IF SWALLOWED: Immediately call a POISON CENTER or doctor
Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up
Protect from sunlight. Store in a well-ventilated place
Do not expose to temperatures exceeding 122 °F (50 °C)

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other Information

- May be harmful in contact with skin
- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

0% of this mixture consist of ingredient(s) of unknown toxicity.

3. Composition/information on Ingredients

Common Name Metal and silver polish.
Synonyms Metal and silver polish.
Chemical Family MIXTURES.
Formula 7-8210
Chemical nature Solvent-based metal cleaner.

Chemical name	CAS No	weight-%	Trade secret
1,1-Difluoroethane	75-37-6	45-50	*
Paradichlorobenzotrifluoride	98-56-6	25-30	*
Heptane	142-82-5	10-15	*
Diatomaceous Earth	61790-53-2	1-5	*
Propylene Glycol USP	57-55-6	1-5	*
Oleic Acid	112-80-1	1-5	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures

FIRST AID MEASURES

Eye Contact Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control

center or doctor for treatment advice.

Skin contact

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advise.

Inhalation

If overcome by vapor, move person to fresh air. If person is not breathing, call 911 or an ambulance, then provide artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advise.

Ingestion

Ingestion from an aerosol product is unlikely to occur. In case of accidental ingestion, do not induce vomiting unless directed by a physician. Seek medical attention immediately.

Most important symptoms and effects, both acute and delayed

Symptoms

Prolonged contact with skin may cause allergic reactions on some individuals. Harmful if inhaled.

Indication of any immediate medical attention and special treatment needed

Note to physicians

Contains petroleum distillates, do not induce vomiting because of aspiration pneumonia hazard.

5. Fire-fighting measures

Suitable extinguishing media

CO2 (Carbon Dioxide), dry chemical, or water fog.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

Vapors are heavier than air and may travel along the ground and be ignited by pilot lights, other flames, sparks, heaters, smoking or other ignition sources.

Hazardous combustion products Thermal decomposition may yield gases like carbon monoxide, carbon dioxide, hydrofluoric acid and carbonyl halides. Chlorine gas, fluorine gas and hydrogen chloride may also be formed under fire conditions.

Explosion data

Sensitivity to Mechanical Impact Contents under pressure, keep away from heat and open flame.

Sensitivity to Static Discharge Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions

Use with adequate general or local exhaust ventilation.

For emergency responders

Remove all sources of ignition.

Environmental precautions

Environmental precautions

See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment

Provide adequate ventilation. Avoid sources of ignition.

Methods for cleaning up Clean contaminated surface thoroughly.

7. Handling and Storage

Precautions for safe handling

Advice on safe handling Avoid contact with skin. Avoid getting spray into eyes. Do not deliberately inhale vapor or mist. Do not contaminate food or food handling surfaces. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in a cool, dry place away from heat and open flame. Keep out of reach of children. **AEROSOL STORAGE LEVEL II (NFPA 30B).**

Incompatible Materials Avoid heat, open flame and contact with strong alkali and strong oxidizing agents.

8. Exposure Controls/Personal Protection

Control parameters

Exposure guidelines See occupational exposure limits listed below.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Paradichlorobenzotrifluoride 98-56-6	TWA: 2.5 mg/m ³ F	TWA: 2.5 mg/m ³ F TWA: 2.5 mg/m ³ dust (vacated) TWA: 2.5 mg/m ³	-
Heptane 142-82-5	STEL: 500 ppm TWA: 400 ppm	TWA: 500 ppm TWA: 2000 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 1600 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 2000 mg/m ³	IDLH: 750 ppm Ceiling: 440 ppm 15 min Ceiling: 1800 mg/m ³ 15 min TWA: 85 ppm TWA: 350 mg/m ³
Diatomaceous Earth 61790-53-2	-	(vacated) TWA: 6 mg/m ³ Silica, amorphous <1% Crystalline silica : (80)/(%) SiO ₂ mg/m ³ TWA TWA: 20 mppcf	-

Appropriate engineering controls

Engineering controls Use with adequate general or local exhaust ventilation.

Individual protection measures, such as personal protective equipment

Eye/face Protection Conventional eyeglasses to guard against splashing.

Skin and Body Protection Rubber, vinyl or household type gloves required.

Respiratory protection None required if used in a well-ventilated area . Follow label directions and precautions for the correct use of the product.

General hygiene considerations Wash hands thoroughly after handling.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State	Aerosol	Odor	Characteristic odor of chlorinated solvent.
Appearance	Light red (almost pink) thick liquid.	Odor threshold	No information available
Color	light red		
Property	Values	Remarks • Method	
pH	Not applicable	Solvent-based product.	

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Melting point/freezing point	Not applicable	No information available
Boiling point/boiling range	PCBTF 276-282 °F	No information available
Flash Point	Not Available. This is an aerosol product for which Flame Projection is 18 inches, without flashback. Temperatures above 130 °F may cause cans to burst. Faster than butyl acetate.	No information available
Evaporation Rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		No information available
Upper flammability limits		
Lower Flammability Limit		
Vapor pressure		No information available
Vapor Density		No information available
Relative Density	1.05 concentrate	No information available
Water solubility		insoluble
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition Temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Explosive properties	No information available	
Oxidizing properties	No information available	
Other Information		
Softening point	No information available	
Molecular weight	No information available	
VOC content (%)	14.25%	
Density	8.75 lb/gal	
Bulk Density	No information available	

10. Stability and Reactivity

Reactivity

This product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Temperatures above 130 °F may cause cans to burst with force.

hazardous polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Temperatures above 122 °F (50 °C).

Incompatible Materials

Avoid heat, open flame and contact with strong alkali and strong oxidizing agents.

Hazardous decomposition products

Thermal decomposition may yield gases like carbon monoxide, carbon dioxide, hydrofluoric acid and carbonyl halides. Chlorine gas, fluorine gas and hydrogen chloride may also be formed under fire conditions.

11. Toxicological Information

Information on likely routes of exposure

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Product Information This product has not been tested as whole. See below for information on ingredients.

Inhalation No data available.

Eye Contact No data available.

Skin contact No data available.

Ingestion No data available.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Paradichlorobenzotrifluoride 98-56-6	= 13 g/kg (Rat)	> 2 mL/kg (Rabbit)	= 33 mg/L (Rat) 4 h
Heptane 142-82-5	-	= 3000 mg/kg (Rabbit)	= 103 g/m ³ (Rat) 4 h
Propylene Glycol USP 57-55-6	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	-
Oleic Acid 112-80-1	= 25 g/kg (Rat)	-	-

Information on toxicological effects

Symptoms Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

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

Skin corrosion/irritation Prolonged and repeated contact with skin may cause allergic reactions in some individuals.
Serious eye damage/eye irritation Can cause irritation after contact with the eyes.
corrosivity Not applicable.
sensitization May cause sensitization of susceptible persons.
Germ cell mutagenicity No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Diatomaceous Earth 61790-53-2		Group 2A Group 3		X

Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard Not applicable.

Numerical measures of toxicity - Product Information

Unknown acute toxicity 0% of this mixture consist of ingredient(s) of unknown toxicity.
The following values are calculated based on chapter 3.1 of the GHS document .
ATEmix (oral) 7986 mg/kg
ATEmix (dermal) 2846 mg/kg
ATEmix (inhalation-gas) 1588 mg/l
ATEmix (inhalation-dust/mist) 9.8 mg/l
ATEmix (inhalation-vapor) 11.4 mg/l

12. Ecological Information

ecotoxicity

53.6% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Paradichlorobenzotrifluoride 98-56-6		11.5 - 15.8: 48 h Lepomis macrochirus mg/L LC50		3.68: 48 h Daphnia magna mg/L EC50

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		static	
Heptane 142-82-5		375.0: 96 h Cichlid fish mg/L LC50	10: 24 h Daphnia magna mg/L EC50
Diatomaceous Earth 61790-53-2		10000: 72 h Cyprinus carpio mg/L LC50	
Propylene Glycol USP 57-55-6	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	710: 96 h Pimephales promelas mg/L LC50 51400: 96 h Pimephales promelas mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 51600: 96 h Oncorhynchus mykiss mg/L LC50 static	1000: 48 h Daphnia magna mg/L EC50 Static 10000: 24 h Daphnia magna mg/L EC50
Oleic Acid 112-80-1		205: 96 h Pimephales promelas mg/L LC50 static	

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical name	Partition coefficient
Paradichlorobenzotrifluoride 98-56-6	3.7
Heptane 142-82-5	4.66

Other adverse effects

No information available

13. Disposal Considerations

Waste treatment methods

Disposal of wastes

Dispose of in accordance with federal, state and local regulations.

Contaminated packaging

Pressurized container: Do not pierce or burn, even after use. Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

Chemical name	California Hazardous Waste Status
Heptane 142-82-5	Toxic Ignitable
Diatomaceous Earth 61790-53-2	Toxic

14. Transport Information

DOT

UN/ID no	Limited Quantity
Proper Shipping Name	Consumer Commodity
Hazard Class	ORM-D

IATA

UN/ID no	UN1950
Proper Shipping Name	Aerosols, flammable
Hazard Class	2.1

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IMDG

UN/ID no	UN1950
Proper Shipping Name	Aerosols, flammable
Hazard Class	2.1
Marine pollutant	This product contains a chemical which, although not listed, meets the IMDG criteria for being a marine pollutant

15. Regulatory information

International Inventories

TSCA All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

DSL All ingredients are listed or are excluded from listing on the DSL.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

This product does not contain toxic chemicals (above the de minimis level) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	yes
Chronic Health Hazard	yes
Fire Hazard	yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
1,1-Difluoroethane 75-37-6	X	X	
Paradichlorobenzotrifluoride 98-56-6	X		
Heptane 142-82-5	X	X	X
Diatomaceous Earth 61790-53-2	X		
Propylene Glycol USP	X		X

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57-55-6			
Oleic Acid 112-80-1			X

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. Other information

<u>NFPA</u>	Health Hazards 2	Flammability 4	Instability 1	Physical and chemical properties Not applicable
<u>HMIS</u>	Health Hazards 2	Flammability 4	Physical hazards 1	Personal Protection B - Eyes and hands protection

Prepared by Regulatory Department
Issue date 08-Jan-2018

Revision note
 This SDS supersedes a previous SDS dated April 30, 2015.

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet