



## Safety Data Sheet Copper & Brass Polish

Revision Date: 09/15/2025

### Section 1. Identification

**Product identifier**

**Product Identity**

Copper & Brass Polish

**Other means of identification**

Not Applicable

**Relevant identified uses of the substance or mixture and uses advised against**

For polishing copper, brass, bronze or stainless steel.

**Details of the supplier of the safety data sheet**

**Company Name**

Howard Products, Inc.

560 Linne Road

Paso Robles, CA 93446

**Emergency**

**CHEMTREC (USA)**

(800) 424-9300

**24 hour Emergency Telephone No.**

EMERGENCY PHONE: 1-805-227-1000

**Customer Service:**

FAX PHONE: 1-805-227-1007

### Section 2. Hazard(s) identification

**Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).**

Serious eye damage / eye irritation, category 1; H318

Causes serious eye damage.

**Label elements**



**Danger**

H318 Causes serious eye damage.

**[Prevention]**

P280 Wear protective gloves, eye protection, and face protection.

**[Response]**

P305+351+338 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 or physician.



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### [Storage]

No GHS storage statements

### [Disposal]

No GHS disposal statements

### Other hazards

This product contains no PBT/vPvB/vPvM chemicals.

This product contains no endocrine disrupting chemicals.

Does not contain component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS) per the Organisation for Economic Co-operation and Development (OECD) list of Per- and Polyfluoroalkyl Substances (PFASs).

## Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Amorphous Silica CAS Number: 7631-86-9 Synonyms: Silica dioxide	10 - 30	Not Classified	-----
Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]- CAS Number: 87-69-4 Synonyms: Tartaric acid	3 - 7	Serious eye damage / eye irritation, category 1;H318	-----
Oleic acid CAS Number: 112-80-1 Synonyms: No available information	0.5 - 1.5	Not Classified	-----
Pine oil CAS Number: 8002-09-3 Synonyms: No available information	0.5 - 1.5	Skin corrosion/irritation category 2;H315 Serious eye damage / eye irritation, category 2;H319 Flammable Liquid, category 3;H226 Aspiration hazard, category 1;H304 Aquatic toxicity (chronic), category 2;H411	-----
Distillates (petroleum), hydrotreated light CAS Number: 64742-47-8 Synonyms: No available information	0.5 - 1.5	Aspiration hazard, category 1;H304	-----

The actual concentration or concentration range is withheld as a trade secret.

\*PBT/vPvB - PBT, vPvM or vPvB-substance.

The full texts of the phrases are shown in Section 16.



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### Section 4. First aid measures

#### Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
<b>Eyes</b>	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
<b>Ingestion</b>	If victim is conscious and alert, give 2-4 cupfuls of milk or water. DO NOT INDUCE VOMITING.

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

<b>Overview</b>	Physician: Danger of aspiration must be weighed against toxicity. No chronic toxicity or long term toxicity information available. Treat symptomatically. See section 2 for further details.
<b>Eyes</b>	Causes serious eye damage.

### Section 5. Fire-fighting measures

#### Extinguishing media

Use media appropriate for surrounding area.

#### Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

#### Advice for fire-fighters

Not Applicable

ERG Guide No. ----

### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

#### Environmental precautions

Do not allow spills to enter drains or waterways.



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### Methods and material for containment and cleaning up

Wipe up with cloth or sponge.

## Section 7. Handling and storage

### Precautions for safe handling

Store in a cool dry place.

See section 2 for further details. - [Prevention]

### Conditions for safe storage, including any incompatibilities

Avoid generating dust. DO NOT LET DRY TO A POWDER.

Incompatible materials: No data available.

See section 2 for further details. - [Storage]

### Specific end use(s)

No data available.

## Section 8. Exposure controls / personal protection

### Control parameters

#### Exposure Limits

CAS No.	Ingredient	Source	Value
87-69-4	Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
112-80-1	Oleic acid	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
7631-86-9	Amorphous Silica	OSHA	TWA 20 mppcf (80 mg/m <sup>3</sup> /%SiO <sub>2</sub> )
		ACGIH	No Established Limit
		NIOSH	TWA 6 mg/m <sup>3</sup>
8002-09-3	Pine oil	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
64742-47-8	Distillates (petroleum), hydrotreated light	OSHA	500 ppm, 2000 mg/m <sup>3</sup>
		ACGIH	TWA 200 mg/m <sup>3</sup> (as Kerosine)
		NIOSH	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m<sup>3</sup> OSHA PEL and 5 mg/m<sup>3</sup> ACGIH.



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### Exposure controls

#### Respiratory

If workers are exposed to concentrations above the exposure limit, they must use the appropriate, certified respirators.

#### Eyes

Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

#### Skin

Not Applicable

#### Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

#### Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

## Section 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Physical State

Creamy Liquid

#### Color

Grey

#### Odor

Mild Pine Odor

#### Odor threshold

Not Available

#### Melting point / freezing point

Not available

#### Initial boiling point and boiling range

>200 F

#### Flammability (solid, gas)

Not Applicable

#### Upper/lower flammability or explosive limits

Lower Explosive Limit: N/A

Upper Explosive Limit: N/A

#### Flash Point

N/A

#### Auto-ignition temperature

N/A

#### Decomposition temperature

Not available

#### pH

Not Applicable

#### Viscosity (cSt)

Not available

#### Solubility in Water

Partial

#### Partition coefficient n-octanol/water (Log Kow)

Not Available

#### Vapor pressure (Pa)

Not Applicable

#### Relative Density

> 1

#### Vapor Density

< 1 (Air=1)

#### Evaporation rate (Ether = 1)

Not available

#### Other information

No other relevant information.



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### Section 10. Stability and reactivity

#### Reactivity

Hazardous Polymerization will not occur.

#### Chemical stability

Stable under normal circumstances.

#### Possibility of hazardous reactions

No data available.

#### Conditions to avoid

Avoid high temperatures. Do not mix with other chemicals.

#### Incompatible materials

No data available.

#### Hazardous decomposition products

No hazardous decomposition data available.

### Section 11. Toxicological information

#### Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Amorphous Silica - (7631-86-9)	No data available.	No data available.	No data available.	No data available.	No data available.
Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]- - (87-69-4)	No data available.	No data available.	No data available.	No data available.	No data available.
Oleic acid - (112-80-1)	No data available.	No data available.	No data available.	No data available.	No data available.
Pine oil - (8002-09-3)	No data available.	No data available.	No data available.	No data available.	No data available.
Distillates (petroleum), hydrotreated light - (64742-47-8)	> 5,000.00, Rat - Category: NA	>2,000.00, Rabbit - Category: 5	No data available.	No data available.	No data available.



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### Carcinogen Data

CAS No.	Ingredient	Source	Value
87-69-4	Butanedioic acid, 2,3-dihydroxy-[R-(R*,R*)]-	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	No
		ACGIH	No Established Limit
112-80-1	Oleic acid	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	No
		ACGIH	No Established Limit
7631-86-9	Amorphous Silica	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 3
		ACGIH	No Established Limit
8002-09-3	Pine oil	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	No
		ACGIH	No Established Limit
64742-47-8	Distillates (petroleum), hydrotreated light	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	No
		ACGIH	A3

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

### Possible routes of entry:

All routes of entry possible.



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### Symptoms and effects, both acute and delayed:

Physician: Danger of aspiration must be weighed against toxicity. No chronic toxicity or long term toxicity information available. Treat symptomatically.

**Eyes** Causes serious eye damage.

## Section 12. Ecological information

### Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Amorphous Silica - (7631-86-9)	10,000.00, Daphnia magna	5,000.00, Daphnia magna	> 18.00, Desmodesmus subspicatus
Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]- - (87-69-4)	No data available.	No data available.	No data available.
Oleic acid - (112-80-1)	No data available.	No data available.	No data available.
Pine oil - (8002-09-3)	18.35, Oncorhynchus mykiss	24.50, Daphnia magna	No data available.
Distillates (petroleum), hydrotreated light - (64742-47-8)	20.00, Oncorhynchus mykiss	1.40, Daphnia magna	8.30, Pseudokirchneriella subcapitata

### Persistence and degradability

There is no data available on the preparation itself.

### Bioaccumulative potential

Not Available

### Mobility in soil

No data available.

### Results of PBT and vPvB assessment

This product contains no PBT/vPvB/vPvM chemicals.

### Other adverse effects

### Ecotoxicity:

The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

## Section 13. Disposal considerations

### Waste treatment methods

Waste should not be released to sewers. Observe all federal, state, and local regulations when disposing of this substance.

Wash rags that are used with plenty of soap.





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### Section 14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
UN number	Not Regulated	Not Regulated	Not Regulated
UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
Transport hazard class(es)	Class: Not Applicable Sub Class: Not Applicable	Class: Not Applicable Sub Class: Not Applicable	Class: Not Applicable Sub Class: Not Applicable
Packing group	Not Applicable	Not Applicable	Not Applicable
Environmental hazards	IMDG Marine Pollutant: No;		
Special precautions for user	Not Applicable		

### Section 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

#### Toxic Substance Control Act (TSCA)

CAS Number	Ingredient	Toxic Substance Control Act (TSCA)	Comments	Status
0007631-86-9	Amorphous Silica	Yes		ACTIVE
0000087-69-4	Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-	Yes		ACTIVE
0064742-47-8	Distillates (petroleum), hydrotreated light	Yes	UVCB	ACTIVE
0000112-80-1	Oleic acid	Yes		ACTIVE
0008002-09-3	Pine oil	Yes	UVCB	ACTIVE

#### EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

#### EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

#### Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

#### Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.



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**Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 Label Warning:**

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

### Section 16. Other information

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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H226 Flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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