

SAFETY DATA SHEET

BRASS, COPPER & BRONZE POLISH

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name BRASS, COPPER & BRONZE POLISH

Product number RK126

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Metal Cleaning agent

1.3. Details of the supplier of the safety data sheet

Supplier RKM (NUSHINE) LIMITED
18 THE GREENWAY
TYLERS GREEN
BUCKS. HP10 8BX

01494 816711

Contact person N. Bhattacharya

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards STOT RE 2 - H373

Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements
P260 Do not breathe vapour/ spray.
P273 Avoid release to the environment.
P314 Get medical advice/ attention if you feel unwell.
P391 Collect spillage.
P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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<i>Kieselguhr Calcined</i>		10-30%
CAS number: 61790-53-2		
Classification STOT RE 2 - H373		Classification (67/548/EEC or 1999/45/EC) Xn;R48/20.
COPPER SULPHATE		5-10%
CAS number: 7758-98-7	EC number: 231-847-6	
M factor (Acute) = 10	M factor (Chronic) = 1	
Classification Acute Tox. 3 - H301 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R36/38. N;R50/53.
SULPHAMIC ACID		1-5%
CAS number: 5329-14-6	EC number: 226-218-8	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 3 - H412		Classification (67/548/EEC or 1999/45/EC) Xi;R36/38 R52/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures4.1. Description of first aid measures

Inhalation	Unlikely to occur, no fumes emitted
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available. After the liquid has been swallowed, try to induce vomiting by having affected person touch back of his throat with his finger.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Due to physical form inhalation not normally an issue. However avoid inhalation of dust from tablet residues.
Ingestion	May cause nausea, headache, dizziness and intoxication.
Skin contact	This product is moderately irritating.
Eye contact	This product is moderately irritating.

4.3. Indication of any immediate medical attention and special treatment needed

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Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	None known.

5.3. Advice for firefighters

Protective actions during firefighting	Control run-off water by containing and keeping it out of sewers and watercourses. Cool containers exposed to flames with water until well after the fire is out. Move containers from fire area if it can be done without risk. If risk of water pollution occurs, notify appropriate authorities.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Stop leak if possible without risk. DO NOT touch spilled material! Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses. Provide adequate ventilation. Flush contaminated area with plenty of water.
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6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Read and follow manufacturer's recommendations.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Keep away from flammable and combustible materials. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from light.
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Storage class	Corrosive storage. Store in a cool dry place. Keep out of reach of children
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7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Long-term exposure limit (8-hour TWA): No std.

Short-term exposure limit (15-minute): No std.

8.2. Exposure controls

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Protective equipment



Appropriate engineering controls	Provide adequate general and local exhaust ventilation.
Eye/face protection	Wear chemical splash goggles.
Hand protection	Wear protective gloves made of the following material: Rubber (natural, latex). Nitrile rubber. Polyvinyl chloride (PVC).
Other skin and body protection	Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station and safety shower. Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated. Contaminated clothing should be placed in a closed container for disposal or decontamination. Warn cleaning personnel of any hazardous properties of the product.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Opaque liquid.
Colour	Buff.
Odour	Slight.
Relative density	1.090 - 1.011
Solubility(ies)	Slightly soluble in water.

9.2. Other information

Molecular weight	« 184 »
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable when stored in a dry place.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Hazardous reactions will not occur under normal transport or storage conditions
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat.
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10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products	No specific hazardous decomposition products noted.
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SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Toxicological effects No information available.

Acute toxicity - oral

ATE oral (mg/kg) 6,000.0

Acute and chronic health hazards Swallowing concentrated chemical may cause severe internal injury.

Route of entry Ingestion. Skin and/or eye contact

Target organs Eyes Gastro-intestinal tract Skin

Medical symptoms Nausea, vomiting.

SECTION 12: Ecological Information

Ecotoxicity Toxic to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity No information available

12.2. Persistence and degradability

Persistence and degradability The product is moderately biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential Bioaccumulation is unlikely.

12.4. Mobility in soil

Mobility The product has poor water-solubility.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Confirm disposal procedures with environmental engineer and local regulations. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. With clean shovel place material into dry container, cover and move.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 3082

UN No. (IMDG) 3082

UN No. (ICAO) 3082

UN No. (ADN) 3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS LIQUID, N.O.S. (contains COPPER SULPHATE)

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS LIQUID, N.O.S. (contains COPPER SULPHATE)

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Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS LIQUID, N.O.S. (contains COPPER SULPHATE)

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS LIQUID, N.O.S. (contains COPPER SULPHATE)

14.3. Transport hazard class(es)

ADR/RID class 9

ADR/RID label 9

IMDG class 9

ICAO class/division 9

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-A, S-B

Tunnel restriction code (E)

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

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations Chemicals (hazard Information & Packaging) Regulations 2002

15.2. Chemical safety assessment

SECTION 16: Other information

General information This information is given in good faith and is based upon current available data. The suitability of this product for any particular use is not suggested. The user must determine if the product is correct for any particular application. This document is not a specification.

Key literature references and sources for data Dangerous Properties of Industrial Chemicals, 6.edition, N.Sax, 1984. Hazardous Materials, Emergency Response Guidebook, DOT-P 5800.3, 1984. Chemical Hazards of the Workplace, Proctor & Hughes, Lippincott, 1978

Revision date 05/12/2017

Revision 01

SDS number RK126

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<i>Risk phrases in full</i>	<i>R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</i>
<i>Hazard statements in full</i>	<i>H301 Toxic if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.</i>