



PRODUCT SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Item Number / Product code: 0078564

Product name: BRASSO® Metal Polish

Validation / Revision Date: 9 April 2008

EPA Identifier: Not applicable.

Formula Number: 112-95

UPC Number and Size: 26600-76523 (8oz); 26600-80900 (32 oz)

Product Description: Metal polish for use on brass

Manufacturer: Reckitt Benckiser North America, Inc.
Morris Corporate Center IV
399 Interpace Parkway (P.O. Box 225)
Parsippany, New Jersey 07054-0225

Emergency telephone number: 1-800-228-4722 (U.S.)

Transportation Emergencies: 1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside the U.S. and Canada (North America), call: 703-527-3887

2. COMPOSITION / INFORMATION ON INGREDIENTS

Components:

ISOPROPYL ALCOHOL 99%
67-63-0
AMMONIUM HYDROXIDE 26 BAUME
1336-21-6
SILICA POWDER CRYSTALLINE
14808-60-7
OXALIC ACID DIHYDRATE
144-62-7

Wt %	ACGIH:	OSHA:
3-5	TWA (TLV): 200 ppm STEL: 400 ppm	TWA (PEL): 400 ppm TWA (PEL): 980 mg/m ³
5-10	None	None
15-20	TWA (TLV): 0.05 mg/m ³ respirable fraction	None
0-3	TWA (TLV): 1 mg/m ³ @ 10 STEL: 2 mg/m ³ @ 10	TWA (PEL): 1 mg/m ³ @ 10

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
CAUTION: EYE IRRITANT.
DO NOT get in eyes.
May cause respiratory and skin irritation.
Use only in well ventilated areas.
Contains Silica, Ammonia and Oxalic Acid.

KEEP OUT OF REACH OF CHILDREN

4. FIRST AID MEASURES

Inhalation:	If inhaled, move to fresh air. If irritation occurs or persists, get medical attention.
Skin contact:	If on skin, wash with plenty of soap and water. If skin irritation occurs or persists, call a physician.
Eye contact:	In case of eye contact, hold eyes open and IMMEDIATELY rinse eyes thoroughly with plenty of water. Remove any contact lenses and continue rinsing for at least 15 minutes. If irritation persists, consult a physician.
Ingestion:	If swallowed, give a glass of water or milk. Call a physician or poison control center IMMEDIATELY. Never give an unconscious person anything to drink. Show the container or product label to the medical personnel.
Notes to physician:	Probable mucosal damage may contraindicate the use of gastric lavage .
Aggravated Medical Conditions:	No information available.

5. FIRE-FIGHTING MEASURES

Flash point:	105° F (40.556° C) TCC
Flammability Limits in Air:	
Lower:	No information available.
Upper:	No information available.
Autoignition temperature:	No information available.
Suitable extinguishing media:	As for surrounding fire.
Extinguishing media which must not be used for safety reasons:	No information available.
Specific hazards:	Combustible material.
Unusual hazards:	Keep away from heat, sparks or open flame..
Special protective equipment for firefighters:	As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA / NIOSH (approved or equivalent) and full protective gear.
Specific methods:	Standard procedure for chemical fires.

NFPA: Health: 2 Flammability: 2 Instability: 0

HMIS: Health: 2 Flammability: 2 Reactivity: 0

Key: B. (Also see Section 3)

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation.

Environmental precautions: Do not allow material to contaminate ground water system.

Methods for cleaning up: Small amounts:
Wipe up with absorbent material (e.g. cloth, fleece, paper towel, etc.).

Large spills:
Large spills should be diked, contained and collected for later disposal according to local, provincial, state or federal regulations.

7. HANDLING AND STORAGE

Handling: CAUTION: EYE IRRITANT.
Avoid contact with eyes, skin and clothing.
Use with adequate ventilation.

Safe handling advice: Keep away from sources of ignition - No Smoking!

Storage: Store in original container in areas inaccessible to small children and pets.
Do not freeze.
KEEP OUT OF REACH OF CHILDREN

Incompatible products: Not for use on silver, lacquered, painted or antiqued finished surfaces.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas.
Under conditions of insufficient ventilation, airborne concentration(s) of some or all of the hazardous components could exceed the exposure limit(s) listed in Section 2.

Personal Protective Equipment

Respiratory protection: None required under normal use conditions.
Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.

Hand protection: None required under normal use conditions.
May cause skin irritation after prolonged or repeated use. For sensitive skin or prolonged use, wear rubber gloves.
Emergency responders should wear impermeable gloves.

Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect.

Eye protection: Avoid contact with eyes.
Eye irritant, wear eye protection if the possibility of splashing exists.
Emergency responders should wear full eye and face protection.

Hygiene measures: Washing with soap and water after use is recommended as good hygienic practice to prevent possible skin irritation and / or eye irritation from hand contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid.
Appearance:	Viscous.
Colour:	Off-white. Tan
Odour:	Ammoniacal
pH:	9.9
Flash point:	Closed Cup: 40.556° C (105° F).
Specific gravity:	9.2-9.5
Vapour pressure:	Not determined.
Solubility:	Emulsifiable

Explosion limits:

- upper:	No data available.
- lower:	No data available.

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Polymerization:	Hazardous polymerisation does not occur.
Hazardous decomposition products:	Oxides of carbon and unknown organic compounds.
Materials to avoid:	Do not use on silver, lacquered, painted or antiqued finished surfaces.
Conditions to avoid:	Store away from excessive heat and moisture. Keep away from open flames, hot surfaces and sources of ignition. Do not freeze.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Component Information

Product Information

LC50/inhalation/4h/rat =	No information available.
LD50/dermal/rabbit =	No information available.
LD50/oral/rat =	No information available.

Local effects

Skin irritation:	None expected during normal conditions of use.
Eye irritation:	None expected during normal use. May cause eye irritation upon direct contact with eyes.
Inhalation	None expected during normal conditions of use.
Ingestion	Health injuries are not known or expected under normal use.
Sensitization	Not expected to be a skin sensitiser.
Chronic toxicity:	No information available.

Specific effects

Carcinogenic effects:	Not listed as carcinogenic by OSHA, NTP or IARC.
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Components:	NTP:	IARC:	OSHA:	Mexico:
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ISOPROPYL ALCOHOL 99%		Monograph 71, 1999; Supplement 7, 1987; Monograph 15, 1977		
SILICA POWDER CRYSTALLINE	Known Carcinogen	Monograph 68, 1997 Monograph 68, 1997; (inhaled in the form of quartz or cristobalite from occupational sources)	Present	

Mutagenic effects: No information available.
 Reproductive toxicity: No information available.
 Target organ effects: No information available.

Information is based on data on the components and the toxicology of similar products.

12. ECOLOGICAL INFORMATION

Product Information

Aquatic toxicity: No information available.

Component Information

ISOPROPYL ALCOHOL 99%

Ecotoxicity: = 35390 mg/L EC50 Photobacterium phosphoreum 5 min
 = 61200 mg/L LC50 fathead minnow (31 days old) 96 h flow-through
 = 94900 mg/L LC50 fathead minnow (29 days old) 96 h flow-through

AMMONIUM HYDROXIDE 26 BAUME

Ecotoxicity: = 0.008 mg/L LC50 rainbow trout
 = 0.024 mg/L LC50 bluegill
 = 0.66 mg/L EC50 water flea
 = 8.2 mg/L LC50 fathead minnow

OXALIC ACID DIHYDRATE

Ecotoxicity: = 1350 mg/L LC50 mosquito fish Static
 = 4000 mg/L LC50 bluegill Static

Other information

Ozone depletion potential; ODP; (R-11 = 1) = No information available.
 Global warming potential (GWP) = No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Dispose of in accordance with local regulations.
 Contaminated packaging: Empty container can be disposed of as household trash or rinsed and recycled where appropriate.

14. TRANSPORT INFORMATION

UN / Id No: UN 1993 UN 1993
 DOT: (file not Found c:\wercs\Flamliq.wmf)
 Classification: Not Regulated - (Non-Bulk Road / Rail) see 49 CFR 173.150 (f) (2) (3).
 Proper shipping name: Not applicable.
 U.S. DOT - Hazard Class: Not applicable.
 Subsidiary risk: Not applicable.
 Packing Group: III



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DOT RQ (lbs): Not applicable
 ERG No: Not applicable.

TDG (Canada):

Classification: Not Regulated (Non-Bulk Road / Rail) see TDG Part 2.17.2 & 23.2.
 Proper shipping name: Not applicable
 Status: Not applicable.
 Packing Group: Not applicable.

IMDG / IMO

Classification: UN 1993 - Flammable Liquid, N.O.S. (Isopropyl Alcohol) Class 3, PG III - Limited Quantity.
 FP 40.556° C (105° F) Closed Cup.
 Proper shipping name: Flammable Liquid, N.O.S. (Isopropyl Alcohol)
 Class: 3
 Subsidiary Risk: Not applicable.
 Packing group: III
 IMDG page: See IMDG Code.
 Marine pollutant: Not applicable
 EMS: F-E, S-E.
 MFAG: Not applicable.
 Maximum quantity: See IMDG Code.

ADR / RID

Classification: Not applicable.
 Proper shipping name: Not applicable.
 Class: Not applicable.
 Subsidiary risk: Not applicable.
 Packing Group: Not applicable.
 ADR/RID-labels: Not applicable
 HIN: Not applicable.
 CEFIC Tremcard No: Not applicable.

ICAO / IATA:

Classification: UN 1993 - Flammable liquid, N.O.S. (Isopropyl Alcohol) Class 3, PG III.
 FP 40.556° C (105° F) Closed Cup.
 Proper shipping name: Flammable Liquid, N.O.S. (Isopropyl Alcohol)
 Class: 3
 Subsidiary Risk: Not applicable
 Packing Group: III
 Maximum quantity: See DG List.

15. REGULATORY INFORMATION

Components:	PICCS:	TSCA:	DSL:	NDSL:	ENCS:	CHINA:	AICS:	EINECS-No
ISOPROPYL ALCOHOL 99%	*REQUIRED BUT MISSING*				2-207	Present	Present	200-661-7
AMMONIUM HYDROXIDE 26BAUME	*REQUIRED BUT MISSING*				1-314	Present	Present	215-647-6
SILICA POWDER CRYSTALLINE	*REQUIRED BUT MISSING*				1-548	Present	Present	238-878-4
OXALIC ACID DIHYDRATE	*REQUIRED BUT MISSING*			Present	2-844; 2-1551	Present	Present	205-634-3 273-079-4

ISOPROPYL ALCOHOL 99% - 67-63-0



NJRTK: sn 1076; sn 2381 (strong-acid process manufacture)

SILICA POWDER CRYSTALLINE - 14808-60-7

NJRTK: sn 1660

Canada

WHMIS hazard class: Not determined.

16. OTHER INFORMATION

National Fire Protection Association (U.S.A.):



HMIS (U.S.A.):

Health Hazard	2
Fire Hazard	2
Reactivity	0
Personal Protection	B

Reason for revision: Updated UPC Codes

Additional advice: Consult your supplier if the material is to be used for special applications such as in the food industry or for hygiene, medical or surgical end-use.

Prepared by: Regulatory Department

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