RD 80900

RECKITT BENCKISER

PRODUCT SAFETY DATA SHEET

Print date: *04 Oct 2007*

1. PRODUCT AND COMPANY IDENTIFICATION

Item Number / Product code: **0114379**

Product name: **BRASSO® METAL POLISH**

Validation / Revision Date: **26 September 2007**

Formula Number: **1274-026 (0114379)**

UPC Number and Size: **8 oz. HDPE Bottle; 32 oz. HDPE Bottle.**

Product Description: Metal polish for use on stainless steel, aluminum, chrome, pewter, brass, bronze and copper.

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:

OXALIC ACID, DIHYDRATE
6153-56-6
TALL OIL
61790-12-3
ISOPROPYL ALCOHOL 99%
67-63-0
SILICA POWDER CRYSTALLINE
14808-60-7
MAGNESIUM ALUMINUM SILICATE
1327-43-1
ETHYL ALCOHOL SDA 1
64-17-5
AMMONIUM HYDROXIDE26BAUME
1336-21-6

Wt %	ACGIH:	OSHA:
1-3	1 mg/m³ TWA (TLV); 2 mg/m³ STEL	1 mg/m³ TWA (PEL)
1-5	None	None
1-5	TWA (TLV): 200 ppm @10 STEL: 400 ppm @10	TWA (PEL): 400 ppm @10 TWA (PEL): 980 mg/m³ @10
15-20	TWA (TLV): 0.05 mg/m³ @10 TWA (TLV): 0.025 mg/m³ (Respirable)	0.3 mg/m³ TWA (Total) 0.1 mg/m³ TWA (Respirable) 2.38 mppcf TWA (PEL)
1-3	None	None
0-1.0	1000 ppm (TLV) TWA	1000 ppm TWA (PEL)
5-10	25 ppm TWA (TLV); 35 ppm STEL	50 ppm TWA (PEL)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
CAUTION: IRRITANT!
MAY IRRITATE EYES AND SKIN.
DO NOT get in eyes, on skin or on clothing.
DO NOT breathe fumes.

Contains ammonia, isopropyl alcohol and oxalic acid.

KEEP OUT OF REACH OF CHILDREN

4. FIRST AID MEASURES

Inhalation: Move to fresh air.

Skin contact: If on skin, wash with soap and water. Get medical attention if irritation persists.

Eye contact: If in eyes, IMMEDIATELY rinse eyes with water. Remove any contact lenses and continues rinsing eyes for at least 15 minutes. If irritation persists, get medical attention.

Ingestion: If swallowed, DO NOT INDUCE VOMITING. Call a Physician or Poison Control Center immediately. Never give an unconscious person anything to ingest.

Notes to physician: Contains ammonia, isopropyl alcohol and oxalic acid.

Aggravated Medical Conditions: No information available.

5. FIRE-FIGHTING MEASURES

Flash point: 40.556° C (105° F) TCC
Combustible Liquid.

Flammability Limits in Air:
Lower: No information available.
Upper: No information available.

Autoignition temperature: No information available.

Suitable extinguishing media:	As suitable for surrounding fire.
Extinguishing media which must not be used for safety reasons:	No information available.
Specific hazards:	See Section 3, Hazards Identification.
Unusual hazards:	None known
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: Personal Protection Index = B.
(Also see Sections 3 & 8)

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation.

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

Methods for cleaning up:

Combustible liquid.
Small amounts:
Wipe up with absorbent material (e.g. cloth, fleece, paper towel, etc.).

Large spills: Collect with a minimum of dust, place in a suitable container for disposal according to local, state, provincial and federal regulations.
Eliminate all sources of ignition and ventilate the area with equipment rated for use in flammable environments.

7. HANDLING AND STORAGE

Handling:

CAUTION: EYE and SKIN IRRITANT.
Combustible liquid.
Keep away from open flames, hot surfaces and sources of ignition.
Use with adequate ventilation.
Avoid contact with eyes, skin and clothing.
For sensitive skin, wear impervious gloves.
May be harmful if swallowed.

Storage:

Store in original container in areas inaccessable to small children and pets.
Keep away from open flames, hot surfaces and sources of ignition.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure: For occupational exposures, ensure adequate ventilation.

Personal Protective Equipment

Respiratory protection:	None required under normal use conditions.
Hand protection:	Wear impervious gloves where the potential for contact with the liquid is possible.
Skin and body protection:	Usual safety precautions while handling the product will provide adequate protection against injury or irritation. Follow product label instructions.
Eye protection:	Avoid contact with eyes. If splashing is likely to occur or for occupational exposures, wear appropriate eye protection. Emergency responders should wear full eye and face protection.
Hygiene measures:	Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid.
Appearance:	Viscous. Opaque
Colour:	Off-white. to Tan.
Odour:	Ammoniacal.
pH:	9.6 - 10.2
Flash point:	40.556° C (105° F)
Specific gravity:	1.104 - 1.140
Vapour pressure:	Not determined.
Solubility:	Partly soluble.

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:	Combustible liquid. Keep away from heat, sparks and open flame. Do not use on silver, lacquered, painted or antiqued finished surfaces.
Conditions to avoid:	Store away from excessive heat and moisture.

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: May cause skin irritation
Avoid skin contact.
For sensitive skin or prolonged use, wear impervious gloves.

Eye irritation: May cause eye irritation.
Avoid eye contact.

Inhalation None expected during normal conditions of use.

Use only in a well ventilated area.
Do not breathe fumes.

Ingestion May be harmful if swallowed. See Section 4 for First Aid instructions.

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.

Components:	NTP:	IARC:	OSHA:	Mexico:
SILICA POWDER CRYSTALLINE			0.3 mg/m³ TWA (Total) 0.1 mg/m³ TWA (Respirable) 2.38 mppcf TWA PEL	
ETHYL ALCOHOL SDA 1			1000 ppm PEL TWA	

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:

OXALIC ACID, DIHYDRATE
6153-56-6 (1-3)

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

ISOPROPYL ALCOHOL 99%
67-63-0 (1-5)

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

AMMONIUM HYDROXIDE26BAUME
1336-21-6 (5-10)

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

Other information:

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

Additional ecological information:

Bulk quantities, if spilled, would be toxic to aquatic organisms, fish, birds and mammals. Control and clean up all exterior spills and prevent product from entering any streams, rivers, lakes and all other bodies of water.

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.

Waste Disposal: Small amounts of liquid waste: Wipe up with a wet paper towel and discard absorbed material in trash collection or flush waste to sink or sanitary sewer.

Large quantities of waste liquid: Contain and collect for evaluation and disposal according to local, state, provincial and federal regulations.
Dispose of according to Local, State, Provincial and / or Federal regulations for combustible liquid waste or residues.

14. TRANSPORT INFORMATION

UN / Id No: **UN 1993**

DOT:

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:	Not applicable.
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.
WHMIS hazard class:	B3 Combustible liquid

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 List.
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

Hazard Identification Number: 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
OXALIC ACID, DIHYDRATE						Present	Present	205-634-3
TALL OIL						Present	Present	263-107-3
ISOPROPYL ALCOHOL 99%						Present	Present	200-661-7
SILICA POWDER CRYSTALLINE						Present	Present	238-878-4
MAGNESIUM ALUMINUM SILICATE						Present	Present	215-478-8
AMMONIUM HYDROXIDE26BAUME						Present	Present	215-647-6

U.S. Regulations:

Components: *OXALIC ACID, DIHYDRATE - 6153-56-6*
NJRTK: Not Listed.
California Proposition 65 - CERCLA/SARA 313: None

Components: *TALL OIL - 61790-12-3*
NJRTK: Not Listed.
California Proposition 65 - CERCLA/SARA 313: None

Components: *ISOPROPYL ALCOHOL 99% - 67-63-0*
NJRTK: Not Listed.
California Proposition 65 - CERCLA/SARA 313: None

Components: *SILICA POWDER CRYSTALLINE - 14808-60-7*
NJRTK: Not Listed.
California Proposition 65 - CERCLA/SARA 313: None

Components: *MAGNESIUM ALUMINUM SILICATE - 1327-43-1*
NJRTK: Not Listed.
California Proposition 65 - CERCLA/SARA 313: None

Components: *ETHYL ALCOHOL SDA 1 - 64-17-5*
NJRTK: Not Listed.
California Proposition 65 - CERCLA/SARA 313: None

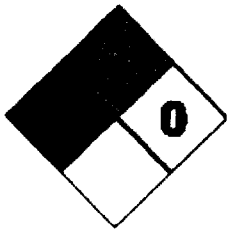
Components: *AMMONIUM HYDROXIDE26BAUME - 1336-21-6*
NJRTK: Not Listed.
California Proposition 65 - CERCLA/SARA 313: None

Canada

WHMIS hazard class: B3 Combustible liquid

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: Revision of data and / or an update of the PSDS.

Additional advice: This product should only be used as directed on the label and for the purpose intended.

Prepared by:

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