

MATERIAL SAFETY DATA SHEET

Reference: HSBRLIQ

Creation date: 27 November 2001

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1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY

PRODUCT : BRASSO LIQUID

Cleaning household items made of brass, copper, tin and chrome.

Company

Reckitt Benckiser UK Ltd
Delta 1200, Welton Road
Delta Business Park
Swindon, Wiltshire, SN5 7XZ
Tel 01793 732000
Fax 01793 - 511572

2 COMPOSITION /INFORMATION ON INGREDIENTS

The product contains the following components:

1-5%	Ammonia (25%)	R34, R37	
50-75%	White Spirit 150/200N	R10, R51/53, R65	CAS No. 64742-82-1

Key to Risk Phrases

R10	Flammable
R34	Causes burns
R37	Irritating to the respiratory system
R51/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed

(Amended 27 November 2001)

3 HAZARDS IDENTIFICATION

<u>Eye Contact</u>	Contact with eyes may cause irritation and conjunctivitis.
<u>Skin Contact</u>	Repeated or prolonged exposure may cause defatting of skin leading to irritation and dermatitis.
<u>Inhalation</u>	Repeated and prolonged exposure to high concentration of vapour may result in central nervous system damage. When vapour exposure is low there are no adverse effects.
<u>Ingestion</u>	May irritate digestive tract and cause nausea, vomiting and diarrhoea, drowsiness and swelling of stomach. Aspiration of liquid causes pulmonary edema, chemical pneumonia.

4 FIRST AID MEASURES

<u>Eye Contact</u>	Rinse thoroughly with copious amounts of water. If in any doubt, obtain medical attention.
<u>Skin Contact</u>	Wash affected areas thoroughly with water, using soap.
<u>Inhalation</u>	Move victim to fresh air and keep in rest. If in any doubt, obtain medical attention.
<u>Ingestion</u>	Do not induce vomiting, Seek medical attention.

5 FIRE FIGHTING MEASURES

<u>Specific Dangers</u>	This preparation is flammable and will support combustion. Combustion produces toxic gases.
<u>Extinguisher Type</u>	Use a dry chemical, alcohol resistant foam, water spray. DO NOT USE WATER JET.

6 ACCIDENTAL RELEASE MEASURES

See also Sections 8 and 13

Remove all sources of ignition and if possible, ventilate the area.

Small spillages, up to 1 litre, may be cleaned up with a mop or absorbent cloth.

Medium spillages, up to 5 litres, may be absorbed into sand, earth or other inert material and transferred to a suitable container for subsequent disposal.

Larger spillages, contain with sand, earth or other inert material. Do not pump or release to drain. Do not contaminate watercourses or ground. If necessary, pump to a safe place. Consult your local Water Authority, Environmental Protection Agency, local council or an expert for advice on disposal.

7 STORAGE AND HANDLING

Handling Wear suitable gloves if long or repeated exposure to the product is anticipated.

Storage Store in a cool, dry, frost free place away from sources of ignition and out of reach of children.

8 EXPOSURE CONTROLS / PERSONAL PROTECTING MEASURES

See also Section 7.

Occupational Exposure Limits:

The following limits are taken from the UK Document EH40 Occupational Exposure Limits. This product contains white spirit which has an Occupational Exposure Limit of: OELsol 600mg/m³ (8 hour Time Weighted Average)

Engineering Controls: Avoid contact with skin and eyes. Do not breathe fumes.

Personal Protective Equipment:

Respiratory Protection: None necessary under normal working conditions.
Hand Protection: Wear rubber gloves if exposure is likely to be prolonged.
Eye Protection: None necessary under normal working conditions.
Skin Protection: Wear an apron or coveralls if exposure is likely to be prolonged.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Viscous liquid
Odour	Ammonia
pH Value	11.0
Flash Point of Contents	38-42C

10 STABILITY AND REACTIVITY

<u>Conditions to Avoid</u>	Protect from sources of ignition
<u>Materials to Avoid</u>	Strong oxidising agents
<u>Hazardous Decomposition Products</u>	Incomplete combustion produces toxic gases

Brasso Liquid is stable and unreactive under normal household conditions.

11 TOXICOLOGICAL INFORMATION

See also Section 2 and 3.

This product contains white spirit for which the following apply:

<u>Inhalation</u>	Vapour concentrations above recommended exposure limits are irritating to the eyes and respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects.
<u>Skin Contact</u>	Low order of toxicity, frequent or prolonged contact may cause dermatitis.
<u>Eye Contact</u>	Irritating but does not injure eye tissue.
<u>Ingestion</u>	Minimal toxicity. The viscosity of this preparation mitigates the risk of aspiration into the respiratory system during ingestion or vomiting.

12 ECOLOGICAL INFORMATION

See also Section 6, 7, 14 and 15

This product contains 50-75% of white spirit, which is highly volatile and will rapidly evaporate to the air if released into the environment. Based upon data for similar materials white spirit is classified as R51/53 Toxic to aquatic organisms, may cause long term effects in the aquatic environment.

White spirit is expected to be biodegrade rapidly and be "readily" biodegradable according to OECD guidelines. It can degrade rapidly in air and is expected to be removed in a waste water treatment facility.

Although data exists to show that white spirit is not expected to persist in the aquatic environment, European Classification rules require that it be classified as potentially causing long-term adverse effects in the aquatic environment.

13 DISPOSAL CONSIDERATION

Consumer Instructions Containers may be disposed of by consumers in the normal domestic waste stream.

Bulk Quantities Containers can be disposed of in accordance with all applicable local, regional and national requirements. Operators should be informed that the product contains white spirit. For further information contact your local waste authority.

14 TRANSPORT INFORMATION

UN Number UN 1993

Sea: IMDC:

Class 3.3

Packing Group III

Proper Shipping Name Flammable Liquid, N.O.S. (contains TURPENTINE SUBSTITUTE)

Road: ADR/RID:

Class 3

Item Number 31' C

Proper Shipping Name Flammable Liquid, N.O.S. (contains TURPENTINE SUBSTITUTE)

Air: ICOA:

Class	3
Packing Group	III
Proper Shipping Name	Flammable Liquid, N.O.S. (contains TURPENTINE SUBSTITIUTE)

National transport regulations may apply.

15 REGULATORY INFORMATION

This product is classified as dangerous for supply in the EU as follows:

Risk Phrase	R10	Flammable
Safety Phrases	S2	Keep out of reach of children
	S46	If swallowed, seek medical advice immediately and show this container or label
	S62 (part of)	If swallowed, do not induce vomiting

The following Directives are relevant to the above classification and labelling of this preparation:

Council Directive 88/379/EEC of 7 June 1988 on the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

Directive 88/379/EEC is implemented in the UK by the Chemicals (Hazard, Information and Packaging for Supply) Regulations 1994 No. 3247.

16 OTHER INFORMATION

BRASSO is a Trademark.

This document complements the technical usage instructions but does not replace them. The information contained herein is based on our best current technical knowledge of the product concerned and is given in good faith. The attention of the recipients is drawn to (amongst other things) the element of risk consequent to use of the product for a purpose other than that for which it was intended.

In no way does this document remove the need of the recipient of the product to fully understand and apply statutory requirements. It is the recipient's sole responsibility to take due precautions relative to the use made of the product.

All information contained herein is included only to assist the recipient in fulfilling his or her statutory duty connected with the use of hazardous materials.

This list of information must not be considered as exhaustive and does not exonerate the recipient from taking other precautions described in documents other than those mentioned, concerning the storage and use of the product for which he or she remains the sole person responsible.