

PRODUCT SAFETY DATA SHEET



1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY IDENTIFICATION.

Trade Name:

BRASSO Metal Polish - Liquid

Product Format:

Viscous Liquid

Product Use:

Metal Polish

Supplier in UK:

Reckitt Benckiser
Wellcroft House
Wellcroft Road
Slough,
Berkshire
SL1 4AQ

Supplier in The Republic Of Ireland:

Reckitt Benckiser Ireland Ltd
7 Riverwalk
Citywest Business Campus
Dublin 24
Ireland

Contact Telephone: 0845 769 7079

Contact Telephone: 01 661 7318

Contact Email: consumer.relations-ukroi@reckittbenckiser.com

Date Issued:	RB Ref No:	Issue:	RB parent code:	Revisions:
09 Dec 2010	0518428902	2	21112 - SD EU v5 + 0117386 v2	Revised Formula (no impact on Data) & new address

2. HAZARDS IDENTIFICATION.

In accordance with local and national regulations: The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Symbol(s) N - Dangerous for the environment

Most important hazards

R-phrases(s) R10 - Flammable.
R67 - Vapours may cause drowsiness and dizziness.

Risk Combination Phrases: R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Contains Dioxosilane, Naphtha (petroleum), hydrodesulfurized heavy .

3. COMPOSITION / INFORMATION ON INGREDIENTS.

Chemical nature of the preparation This product contains:

Chemical Name	CAS-No	EINECS / ELINCS	REACH-No	Proportion (% w/w)	Classification
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	EINECS: 265-185-4	No information available	60 % - 100 %	Xn;R65 F;R10 R66-67 N;R51/53
Dioxosilane	14808-60-7	EINECS: 238-878-4	No information available	10 % - 15 %	None
Ammonium Hydroxide	1336-21-6	EINECS: 215-647-6	No information available	0.1 % - 1 %	C;R34 N;R50

Other ingredients may be present as being disclosed by the ingredient declaration on package.

For the full text of the R phrases mentioned in this Section, see Section 16.

4. FIRST-AID MEASURES.

General advice	Immediate medical attention is required in case of contact with eyes.
Skin Contact	Consult a physician if necessary. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Seek immediate medical attention / advice.
Inhalation	Move to fresh air. Consult a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.
Ingestion	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do not induce vomiting.
Notes to Physician	Treat symptomatically
Protection of First-aiders	Use personal protective equipment.



5. FIRE-FIGHTING MEASURES.

Flash point:	See section 9
Suitable Extinguishing Media:	Use: Dry sodium chloride. Carbon dioxide (CO ₂). Dry chemical.
Extinguishing media which must not be used for safety reasons:	Do not use a solid water stream as it may scatter and spread fire.
Specific Hazards Arising from the Chemical:	Keep product and empty container away from heat and sources of ignition. Risk of ignition.
Precautions for fire-fighting	In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use spark-proof tools and explosion-proof equipment.

6. ACCIDENTAL RELEASE MEASURES.

Personal Precautions:	Remove all sources of ignition. Evacuate personnel to safe areas Ensure adequate ventilation. Use personal protective equipment.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Do not flush with water. Not applicable. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. Prevent product from entering drains.
Methods for Cleaning up:	Small spillage: Wear personal protective equipment. Pick up and transfer to properly labelled containers for disposal. Dam up Soak up with inert absorbent material. Clean contaminated surface thoroughly

7. HANDLING AND STORAGE.

Handling: Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

Storage: Keep in a dry, cool place
Protect against frost.
Keep out of the reach of children.

Storage Classification 13 (=Non-combustible solids, following German VCI-concept)

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Chemical Name	EU	Germany TRGS900:	German mak:	France - OEL	Belgium - OEL	Netherlands - OEL
Dioxosilane 14808-60-7			Category 1	= 0.1 mg/m ³ VME alveolar fraction restrictive limit 2 752 2 Quartz	TWA: 0.1 mg/m ³	TWA: 0.075 mg/m ³

Chemical Name	Norway - OEL	UK - OES	Portugal - OEL	Spain - OEL	Sweden - OEL	Austria - OEL
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1				VLA-EC: 100 ppm VLA-EC: 580 mg/m ³ VLA-ED: 290 mg/m ³ VLA-ED: 50 ppm		
Dioxosilane 14808-60-7	TWA: 0.1 mg/m ³ TWA: 0.3 mg/m ³	= 0.3 mg/m ³ STEL respirable 2 2093 2 Quartz = 0.3 mg/m ³ TWA respirable 3 2094 3 Quartz	TWA: 0.025 mg/m ³	VLA-ED: 0.1 mg/m ³	LLV: 0.1 mg/m ³	MAK: 0.15 mg/m ³

Chemical Name	Finland - OEL	Italy - OEL
Dioxosilane 14808-60-7	TWA: 0.05 mg/m ³ TWA: 0.2 mg/m ³	
Ammonium Hydroxide 1336-21-6	TWA: 14 mg/m ³ TWA: 20 ppm STEL: 36 mg/m ³ STEL: 50 ppm	



Occupational exposure controls

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Respiratory Protection: No special protective equipment required.

Eye Protection Tightly fitting safety goggles
Not required under normal use

Hand Protection: For sensitive skin or prolonged use, wear rubber gloves.

Skin and Body Protection: In case of continuous exposure wear lightweight protective clothing.

Hygiene measures When using, do not eat, drink or smoke.

Environmental exposure controls

Local authorities should be advised if significant spillages cannot be contained
Do not allow material to contaminate ground water system
Prevent product from entering drains

9. PHYSICAL AND CHEMICAL PROPERTIES.

Physical State: Liquid.

Appearance: Viscous Liquid.

Odour: Ammoniacal.

pH 11

Boiling Point/Range: No information available

Flash Point: 43°C / 109°F



10. STABILITY AND REACTIVITY.

Stability	Stable under normal conditions.
Conditions to Avoid:	Heat, flames and sparks.
Incompatible Products	<ul style="list-style-type: none"> • Strong oxidizing agents
Hazardous Decomposition Products:	May emit toxic fumes under fire conditions - carbon monoxide, carbon dioxide, nitrogen oxides, and hydrogen chloride
Polymerization:	No information available.

11. TOXICOLOGICAL INFORMATION.

PRODUCT TOXICITY DATA

LD₅₀ Oral:	> 2000 mg/kg (rat) estimated
LD₅₀ Dermal:	>2000 mg/kg (rat) estimated
LC₅₀ Inhalation (Dust):	No information available
LC₅₀ Inhalation (Vapor):	No information available

ACUTE EFFECTS

Eye Irritation	None expected during normal use. May cause eye irritation upon direct contact with eyes.
Skin Irritation	None expected during normal conditions of use.
Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system. Vapors may cause drowsiness and dizziness
Ingestion	Not expected under recommended conditions of use.
Sensitization	Not expected to be a skin sensitiser.
Chronic Effects	No information available.
<u>Specific Effects</u>	
Carcinogenic Effects:	Not listed as carcinogenic by OSHA, NTP or IARC.
Mutagenic Effects	No information available.
Reproductive Toxicity:	No information available.
Additional Toxicity Information:	Information given is based on data on the components and the toxicology of similar products.

COMPONENT TOXICITY DATA

Chemical Name	CAS-No	LD50 Oral - with units - Rat - mg/kg	LD50 Dermal - With Units - Rat/Rabbit - mg/kg	LC50 Inhalation - With units - Rat/Rabbit
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	5000 mg/kg (Rat)	3160 mg/kg (Rabbit)	
Dioxosilane	14808-60-7	500 mg/kg (Rat)		
Ammonium Hydroxide	1336-21-6	350 mg/kg (Rat)		



12. ECOLOGICAL INFORMATION.

Ecotoxicity:

PRODUCT TOXICITY DATA

Aquatic toxicity: May cause long-term adverse effects in the aquatic environment.
Information given is based on data on the components and the ecotoxicology of similar products.

COMPONENT TOXICITY DATA

Naphtha (petroleum), hydrodesulfurized heavy

Water Flea LC50 96 h 2.6 mg/L

Ammonium Hydroxide

Freshwater Fish LC50 96 h Pimephales promelas 8.2 mg/L

Water Flea EC50 48 h 0.66 mg/L

Other Information

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

Global Warming Potential (GWP): No information available.

Additional Ecological Information: Any contained surfactants are ultimately biodegradable according to the EU Detergent Regulation, 648/2004.

13. DISPOSAL CONSIDERATIONS.

Disposal Methods and Containers: Bulk quantities of product must be disposed of according to Local, State and Federal regulations.

Special Precautions for Landfill or Incineration: No information available

Contaminated Packaging: Dispose of as unused product.

Further information: Packaging and container to be recycled only if emptied completely!

EWC waste disposal No: No information available

14. TRANSPORT INFORMATION.

General remarks For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.

ICAO

UN-No: UN1300
Proper shipping name: Turpentine substitute
Hazard Class 3
Packing group: III
Description: Turpentine substitute,3,UN1300,PG III

IATA

UN-No: UN1300
Proper shipping name: Turpentine substitute
Hazard Class 3
Packing group: III
ERG Code 3L
Description: UN1300,Turpentine substitute,3,PG III

IMDG/IMO

UN-No UN1300
Proper Shipping Name Turpentine substitute
Hazard Class 3
Packing Group III
EmS: F-E, S-E
Description UN1300, Turpentine substitute,3(+),PG III,Marine Pollutant

RID

UN-No: UN1300
Proper shipping name: Turpentine substitute
Hazard Class 3
Packing group: III
Classification Code F1
ADR/RID-Labels 3
Description: UN1300 Turpentine substitute,3,III,RID

ADR

UN-No: UN1300
Proper shipping name: Turpentine substitute
Hazard Class 3
Packing group: III
Classification Code F1
ADR Hazard ID Number 30
Description: UN1300 Turpentine substitute,3,III

ADN

UN-No UN1300
Proper Shipping Name Succédané d'essence de térébenthine
Hazard Class 3
Packing Group III
Classification Code F1
Description UN1300 Succédané d'essence de térébenthine,3,III
Hazard Labels 3
Limited Quantity 5 L

15. REGULATORY INFORMATION.

Chemical Safety Assessment following regulation 1907/2006/EC: Not relevant.

In accordance with local and national regulations: The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Contains Dioxosilane, Naphtha (petroleum), hydrodesulfurized heavy .

Symbol(s) N - Dangerous for the environment



R -phrase(s) R10 - Flammable
R67 - Vapors may cause drowsiness and dizziness

Risk Combination Phrases R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S -phrase(s) S 2 - Keep out of the reach of children
S46 - If swallowed, seek medical advice immediately and show this container or label
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets



16. OTHER INFORMATION.

Text of R phrases mentioned in Section 3

- R10 - Flammable.
 - R22 - Harmful if swallowed.
 - R34 - Causes burns.
 - R50 - Very toxic to aquatic organisms.
 - R65 - Harmful: may cause lung damage if swallowed.
 - R66 - Repeated exposure may cause skin dryness or cracking.
 - R67 - Vapors may cause drowsiness and dizziness.
 - R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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This document complements the technical usage instructions but does not replace them. The information contained herein is based on our best current knowledge of the product concerned, and is given in good faith. The attention of recipients is drawn to (amongst other things) the element of risk consequent to use of the product 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 only to assist the recipient in fulfilling their 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 they remain the sole person responsible.