

PRODUCT SAFETY DATA SHEET



1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY IDENTIFICATION.

Trade Name:

MR SHEEN Aerosol - Original

Product Format:

Aerosol

Product Use:

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

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Date Issued:	RB Ref No:	Issue:	RB parent code:	Revisions:
23 Jun 2011	4511320902	2	D0321045 v1 + 0320024 v1	Revised Formula

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) **F+ - Extremely flammable**

Most important hazards

R-phrases(s) **R12 - Extremely flammable.**

3. COMPOSITION / INFORMATION ON INGREDIENTS.

This product contains:

Chemical Name	CAS-No	EINECS / ELINCS	REACH-No	Proportion (% w/w)	Classification	CLP Classification
Isopar G Naptha (petroleum), hydrotreated heavy	64742-48-9	EINECS: 265-150-3	No information available	10 % - 15 %	Xn; R65 R10 R66-67	Muta. 1B Carc. 1B Asp. Tox. 1
n-butane	106-97-8	EINECS: 203-448-7	No information available	5 % - 10 %	F+; R12	Press. Gas Flam. Gas 1
Propane	74-98-6	EINECS: 200-827-9	No information available	1 % - 5 %	F+; R12	Press. Gas Flam. Gas 1
2-methylpropane	75-28-5	EINECS: 200-857-2	No information available	1 % - 2.5 %	F+; R12	Press. Gas Flam. Gas 1
5-chloro-2-methyl-1,2-thiazol-3-one hydrochloride	26172-55-4	EINECS: 247-500-7	No information available	< 15ppm	T;R23/24/25 C;R34 N;R50 R43	Skin Corr. 1B (H314) Skin Sens. 1 (H317) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) Aquatic Acute 1 (H400)

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 Ingestion or contact with eyes.
Skin Contact	Wash off immediately with plenty of water. Get medical attention if irritation develops and persists.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms develop or persist, call a physician.
Inhalation	If breathing difficulties are experienced, contact a doctor. Administer oxygen if breathing is difficult. Apply artificial respiration if victim is not breathing.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Rinse mouth with water. Do not induce vomiting.
Notes to Physician	Treat symptomatically
Protection of First-aiders	Remove all sources of ignition.
Aggravated Medical Conditions: NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal. Help stop inhalation abuse; for information visit www.inhalant.org .	

5. FIRE-FIGHTING MEASURES.

Flash point:	See section 9
Suitable Extinguishing Media:	Water. Dry powder. Foam.
Specific Hazards Arising from the Chemical:	Keep product and empty container away from heat and sources of ignition. Container may explode if heated.
Special protective equipment for fire-fighters	In the event of fire, wear self-contained breathing apparatus.
Precautions for fire-fighting	Standard procedure for chemical fires. Move aerosol containers away from fire if possible and safe to do so. Use water spray to cool fire exposed containers. Provide shielding to protect firefighters from venting, rupturing or bursting containers. Aerosol cans may explode with extreme heat and become projectiles.

6. ACCIDENTAL RELEASE MEASURES.

Personal Precautions:	Remove all sources of ignition. Ensure adequate ventilation.
Environmental Precautions:	Local authorities should be advised if significant spillages cannot be contained. Do not allow large spill quantities to enter drainage / surface water / ground water.
Methods for Cleaning up:	Soak up with inert absorbent material (e.g. sand, silica gel, neutralising binder, universal binder, sawdust) Pick up and transfer to properly labelled containers for disposal.

7. HANDLING AND STORAGE.

Handling:	Pressurised container. Protect from the sunlight and do not expose to temperatures exceeding 50° C (120° F). Extremes of temperature can occur in cars and near ovens and fireplaces. Do not place in contact with hot surfaces or near naked flames. Do not pierce or burn even after use. Do not spray on a naked flame, onto or near fire, or any incandescent material such as an electric fire.
Storage:	Keep out of the reach of children. Store in cool/well-ventilated place Keep away from heat and sources of ignition. Warehouse and stores containing aerosols should be separated by fire-resistant construction of at least one half-hour duration.
Storage Classification	See chapter 14

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Chemical Name	EU	Germany TRGS900:	German mak:	France - OEL	Belgium - OEL	Netherlands - OEL
Isopar G Naptha (petroleum), hydrotreated heavy 64742-48-9			MAK: 50 ppm MAK: 300 mg/m ³ Peak: 100 ppm Peak: 600 mg/m ³			
n-butane 106-97-8		TWA: 1000 ppm TWA: 2400 mg/m ³	MAK: 1000 ppm MAK: 2400 mg/m ³ Peak: 4000 ppm Peak: 9600 mg/m ³	= 1900 mg/m ³ VME 2 752 2 Butane = 800 ppm VME 2 752 2 Butane	TWA: 1000 ppm	
Propane 74-98-6		TWA: 1000 ppm TWA: 1800 mg/m ³	MAK: 1000 ppm MAK: 1800 mg/m ³ Peak: 4000 ppm Peak: 7200 mg/m ³		TWA: 1000 ppm	

2-methylpropane 75-28-5		TWA: 1000 ppm TWA: 2400 mg/m ³	MAK: 1000 ppm MAK: 2400 mg/m ³ Peak: 4000 ppm Peak: 9600 mg/m ³		TWA: 1000 ppm	
5-chloro-2-methyl-1,2-thiazol-3-one hydrochloride 26172-55-4			MAK: 0.2 mg/m ³ Peak: 0.4 mg/m ³			

Chemical Name	Norway - OEL	UK - OES	Portugal - OEL	Spain - OEL	Sweden - OEL	Austria - OEL
n-butane 106-97-8	TWA: 250 ppm TWA: 600 mg/m ³	= 1810 mg/m ³ STEL 2 2093 2 Butane = 750 ppm STEL 2 2093 2 Butane = 1450 mg/m ³ TWA 3 2094 3 Butane = 600 ppm TWA 3 2094 3 Butane	TWA: 1000 ppm	VLA-ED: 1000 ppm		STEL: 1600 ppm STEL: 3800 mg/m ³ MAK: 1900 mg/m ³ MAK: 800 ppm
Propane 74-98-6	TWA: 500 ppm TWA: 900 mg/m ³		TWA: 1000 ppm	VLA-ED: 1000 ppm		STEL: 2000 ppm STEL: 3600 mg/m ³ MAK: 1000 ppm MAK: 1800 mg/m ³
2-methylpropane 75-28-5			TWA: 1000 ppm			STEL: 1600 ppm STEL: 3800 mg/m ³ MAK: 1900 mg/m ³ MAK: 800 ppm

Chemical Name	Finland - OEL	Italy - OEL
n-butane 106-97-8	TWA: 1900 mg/m ³ TWA: 800 ppm STEL: 1000 ppm STEL: 2400 mg/m ³	
Propane 74-98-6	TWA: 1500 mg/m ³ TWA: 800 ppm STEL: 1100 ppm STEL: 2000 mg/m ³	
2-methylpropane 75-28-5	TWA: 1900 mg/m ³ TWA: 800 ppm STEL: 1000 ppm STEL: 2400 mg/m ³	

Occupational exposure controls

Engineering Controls:

Ensure adequate ventilation, especially in confined areas.
Use only in area provided with appropriate exhaust ventilation.

Personal Protective Equipment



- Respiratory Protection:** In case of inadequate ventilation wear respiratory protection
- Eye Protection** Not required under normal use
- Hand Protection:** For sensitive skin or prolonged use, wear rubber gloves.
Permeation level 6, Penetration level 3 following EN374, taking into consideration the exposure of chemicals given in chapter 3.
- 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

9. PHYSICAL AND CHEMICAL PROPERTIES.

- Physical State:** Aerosol.
- Appearance:** Aerosol
- Colour:** Aerosol spray mist.
- Odour:** Characteristic. Slight paraffinic
- pH** No information available
- Vapour Pressure:** 45 psig (3.1 Bar) at 25°C
- Boiling Point/Range:** No information available
- Flash Point:** -65°C / -85°F

10. STABILITY AND REACTIVITY.

Stability	Stable under normal conditions.
Conditions to Avoid:	Pressurised container. Protect from the sunlight and do not expose to temperatures exceeding 50° C (120° F). Extremes of temperature can occur in cars and near ovens and fireplaces. Do not place in contact with hot surfaces or near naked flames. Do not pierce or burn even after use. Do not spray on a naked flame, onto or near fire, or any incandescent material such as an electric fire.
Incompatible Products	<ul style="list-style-type: none">• None known.
Hazardous Decomposition Products:	None under normal use
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):	>5 mg/m ³ (dust) estimated
LC₅₀ Inhalation (Vapor):	>20 ml/m ³ (vapor) estimated

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	None expected during normal use. However intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. SOLVENT ABUSE CAN KILL INSTANTLY!
Ingestion	Not likely to be a route of exposure.
Sensitization	Not expected to be a skin sensitiser.
Chronic Effects	No information available.

Specific Effects

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
Isopar G Naptha (petroleum), hydrotreated heavy	64742-48-9	5000 mg/kg (Rat)	3160 mg/kg (Rabbit)	
n-butane	106-97-8			658 mg/L (Rat) 4 h
Propane	74-98-6			658 mg/L (Rat) 4 h
2-methylpropane	75-28-5			658 mg/L (Rat) 4 h
5-chloro-2-methyl-1,2-thiazol-3-one hydrochloride	26172-55-4	481 mg/kg (Rat)	1008 mg/kg (Rat)	1.23 mg/L (Rat) 4 h

12. ECOLOGICAL INFORMATION.

Ecotoxicity:

PRODUCT TOXICITY DATA

Aquatic toxicity: No information available

COMPONENT TOXICITY DATA

Isopar G Naptha (petroleum), hydrotreated heavy

Water Flea = 2.6 mg/L LC50 96 h

n-butane

Mobility: Disperses rapidly in air.

5-chloro-2-methyl-1,2-thiazol-3-one hydrochloride

Freshwater Algae	EC50 120 h 0.31 mg/L
	EC50 72 h 0.11 - 0.16 mg/L
	EC50 96 h 0.03 - 0.13 mg/L
Freshwater Fish	LC50 96 h Oncorhynchus mykiss 1.6 mg/L
Water Flea	EC50 48 h 4.71 mg/L
	EC50 48 h 0.12 - 0.3 mg/L
	EC50 48 h 0.71 - 0.99 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: DO NOT PUNCTURE OR INCINERATE!

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 See IATA

IATA

UN-No: UN1950
Proper shipping name: Aerosols, flammable
Hazard Class 2.1
Description: UN1950, Aerosols, flammable, 2.1

IMDG/IMO

UN-No UN1950
Proper Shipping Name AEROSOLS, FLAMMABLE
Hazard Class 2.1
EmS: F-D, S-U
Special Provisions 63, 190, 277
Marine Pollutant No
Description UN1950, Aerosols, 2.1, Mixture

RID See ADR

ADR

UN-No: UN1950
Proper shipping name: AEROSOLS, FLAMMABLE
Hazard Class 2.1
Classification Code 5F
Special Provisions 190, 625
Description: UN1950 Aerosols, 2.1
ADR/RID Limited Qty LQ 2

ADN No information available

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.

Symbol(s)

F+ - Extremely flammable



R -phrase(s)

R12 - Extremely flammable

S -phrase(s)

S 2 - Keep out of the reach of children
 S16 - Keep away from sources of ignition - No smoking
 S25 - Avoid contact with eyes
 S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
 S46 - If swallowed, seek medical advice immediately and show this container or label

Additional Recommended Phrases:

Caution: Use only as directed.
 Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C.
 Extremes of temperature can occur in motor cars, near ovens & fireplaces.
 Do not pierce or burn even when empty.
 Do not spray on a naked flame or any other incandescent material.
 Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.
 Do not spray on food or fabric.
 Do not use on floors, the inside of baths or shower trays, as the high gloss could be dangerous. Contains silicones.
 Do not smoke
 Avoid contact with eyes

16. OTHER INFORMATION.

Text of R phrases mentioned in Section 3

- R10 - Flammable.
- R12 - Extremely flammable.
- R34 - Causes burns.
- R43 - May cause sensitization by skin contact.
- 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.
- R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.

Reason for revision:

1. Change of formulation.
2. Change of safety data sheet code

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

Voluntary Labelling Consumer Information using one or more icons following the A.I.S.E. Charter for Sustainable Development may be displayed on packages additionally



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.