

Safety Data Sheet

DATE : 01 : 07 : 2002

REVISION (see box 16)



ISSUE NO : 02

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME	: Stainless Steel Polish
DESCRIPTION	: Viscous liquid with an organic solvent-type odour used in the cleaning of stainless steel appliances.
COMPANY	: Rentokil Initial UK Ltd, Hygiene Division, Felcourt, East Grinstead, West Sussex. RH19 2JY. England. Telephone: +44 (0)1342 833022 Facsimile: +44 (0)1342 326229.

2. HAZARDS IDENTIFICATION

CLASSIFICATION OF PRODUCT (SUPPLY - Use)	UK CHIP 3 (The Chemicals (Hazard Information and Packaging for Supply) Regulations, 2002) / EC Directive 1999/45.	DANGER SYMBOL (UK CHIP 3) : (Black on orange background)	
F - Highly flammable	: R11 : Highly flammable.	 HIGHLY FLAMMABLE	
X_n - Harmful	: R38 : Irritating to skin. R41 : Risk of serious damage to eyes. R65 : Harmful: may cause lung damage if swallowed.		
ADVERSE PHYSICOCHEMICAL, HUMAN HEALTH AND ENVIRONMENTAL EFFECTS (see also box 11) :	Explosive mixtures of vapours may form in contact with air. Exothermic reactions may occur if in contact with amines, oxidising agents and strongly alkaline or acidic materials. Exposure to organic solvent vapours may result in irritation of the mucous membranes and respiratory system. Symptoms include headache, dizziness, fatigue and muscular weakness, drowsiness and in extreme circumstances, unconsciousness. Adverse effects to the renal and central nervous systems may occur. Contact with the eyes will cause serious damage. Ingestion may result in sore throat, abdominal pain, drowsiness, nausea, vomiting and diarrhoea. Inhalation of airborne droplets or aerosols may cause irritation to the respiratory system. Adverse effects on the environment are unlikely, provided that the product is used as intended.		 HARMFUL

3. COMPOSITION / INFORMATION ON INGREDIENT(S)

% w/w	COMMON*/CHEMICAL NAME, ELINCS / EINECS AND CAS No OF INGREDIENT(S)	UK CHIP 3 / EC 1999/45 CLASSIFICATION OF INGREDIENT(S)
> 50 ≤ 100	Kerosene EINECS: 265-149-8 CAS: 8008-20-6	X _n - Harmful : R65 : Harmful: may cause lung damage if swallowed. R38 : Irritating to skin.
> 10 ≤ 25	Propan-1-ol EINECS: 200-746-9 CAS: 71-23-8	F - Highly flammable : R11 : Highly flammable. X _i - Irritant : R41 : Risk of serious damage to eyes. R67 : Vapours may cause drowsiness and dizziness.
> 2.5 ≤ 10	Ethanol EINECS: 200-578-6 CAS : 64-17-5	F - Highly flammable : R11 : Highly flammable. F - Highly flammable : R11 : Highly flammable.
≤ 2.5	Methanol EINECS: 200-659-6 CAS : 67-56-1	T - Toxic : R23/224/25 : Toxic by inhalation, in contact with skin and if swallowed. R39/23/24/25 : Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

4. FIRST-AID MEASURES (see also "adverse effects" in box 2)

INHALATION (Breathing)	: Remove patient to fresh air, keep warm and at rest. Apply supportive measures if necessary and seek medical attention.
EYE CONTACT	: Rinse affected eye with clean running water, or eyewash solution, for at least 15 minutes holding eyelids well apart. Rinse entire surface and do not allow run-off to contaminate unaffected eye. Seek medical attention.
SKIN CONTACT	: Remove and wash contaminated clothing immediately. Wash affected area thoroughly with soap and water. If the patient feels unwell seek medical advice.
INGESTION (Swallowing)	: Do NOT induce vomiting. If unconscious place in the recovery position and apply supportive measures if necessary. If conscious give patient up to 1 pint of water to drink. Seek medical attention.
EMERGENCY EQUIPMENT SUGGESTED	: Appropriate first-aid equipment should be provided. For the UK this should be in accordance with the Health & Safety (First-Aid) Regulations 1981. See also the Approved Code of Practice "First-aid at Work".
NOTE TO DOCTOR	: For further information contact the National Poisons Information Service in the UK.

5. FIRE-FIGHTING MEASURES

FIRE EXTINGUISHER - TYPES	: Use carbon dioxide, dry powder, halogenated hydrocarbons, sand or foam extinguishers. Do not use water.
SPECIAL FIRE-FIGHTING PROCEDURES	: Wear suitable personal protective equipment.
SPECIAL EXPOSURE HAZARDS	: Fire will produce dense black smoke containing hazardous components of combustion such as carbon monoxide, carbon dioxide and oxides of nitrogen.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS (see also box 8)	: Wear suitable personal protective equipment.
PROCEDURE (see also box 13)	: Exclude sources of ignition and ventilate the area. Absorb spill with an inert, non-combustible material such as sand or earth. Transfer to a suitable container for subsequent disposal. DO NOT contaminate watercourses or ground.

7. HANDLING AND STORAGE (see also box 8)

HANDLING	: Wear suitable protective clothing, gloves and eye/face protection. Use only in well-ventilated areas.
STORAGE	: Store in accordance with the requirements of the Petroleum (Consolidation) Act. Store between 5°C and 25°C, in original container in a cool, dry, ventilated place out of reach of children and away from food, drink and animal feeding stuffs. Store away from sources of heat, sparks and open flames.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (see also box 7)

OCCUPATIONAL EXPOSURE LIMITS	: OES for propan-1-ol is 500 mg/m ³ long-term exposure (8 hour Time Weighted Average) and 625 mg/m ³ short-term exposure (15 minute reference period) – risk of absorption through skin. OES for ethanol is 1920 mg/m ³ long-term exposure (8 hour TWA). OES for methanol is 266 mg/m ³ long-term exposure (8 hour TWA) and 333 mg/m ³ short-term exposure (15 minute reference period) – risk of absorption through skin.
ENGINEERING CONTROLS	: Where prevention of exposure is not reasonably practicable, adequate control of exposure should be achieved by engineering controls rather than the provision of personal protective equipment and clothing. More specific details cannot be given without carrying out a full risk assessment for each and every use scenario. Suitable and approved personal protective equipment and clothing may include the following item(s):
EYE PROTECTION	: Wear suitable eye protection such as goggles.
HAND PROTECTION	: Wear suitable hand protection such as impervious synthetic rubber/PVC gloves.
SKIN PROTECTION	: Wear suitable skin protection such as coveralls.
BREATHING PROTECTION	: Do not breathe vapour. Wear suitable respiratory equipment.
ENVIRONMENTAL EXPOSURE CONTROLS	: Product should be used in accordance with instructions given in Hygiene Technical Manual and any spillage should be dealt with as a priority in order that contamination of watercourses or ground is avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR :	Viscous liquid with an organic solvent-type odour used in the cleaning of stainless steel appliances.		
FLASH POINT :	< 21°C	SOLUBILITY IN WATER :	Partially miscible.
FLAMMABILITY :	Highly flammable.	SOLUBILITY IN FAT :	No data available.
AUTOFLAMMABILITY :	No data available.	PARTITION COEFFICIENT :	Not applicable.
VAPOUR PRESSURE :	Not applicable.	BOILING POINT/RANGE :	No data available.
SPECIFIC GRAVITY :	0.813	MELTING POINT/RANGE :	No data available.
OXIDISING PROPERTIES :	Contact with oxidising agents should be avoided to prevent the possibility of an exothermic reaction.	pH :	Not applicable.
EXPLOSIVE PROPERTIES :	Vapours may form explosive mixtures with air.	VAPOUR DENSITY :	Heavier than air.
VISCOSITY :	No data available.	EVAPORATION RATE :	No data available
OTHER DATA :	None known.		

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID :	Avoid contact with sources of heat, sparks and open flames.
MATERIALS TO AVOID :	Avoid contact with amines, oxidising agents, strongly alkaline and acidic materials.
HAZARDOUS BREAKDOWN PRODUCTS :	Hazardous components of combustion include carbon monoxide, carbon dioxide and oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION (see also box 2)

ACUTE TOXICITY	Oral	:	Ingestion may result in sore throat, abdominal pain, drowsiness, nausea, vomiting and diarrhoea.
	Inhalation	:	Harmful: may cause lung damage if swallowed.
	Dermal	:	No data available.
CORROSIVITY / IRRITATION	Skin	:	Irritating to skin.
	Eyes	:	Risk of serious damage to eyes.
	Respiratory tract	:	Inhalation of airborne droplets or aerosols may cause irritation to the respiratory system.
SENSITISATION	Skin	:	Not known to be a skin sensitiser.
	Respiratory	:	Not known to be a respiratory sensitiser.
REPEATED-DOSE TOXICITY		:	Product does not contain any components known to have any effects relating to repeated-dose toxicity.
MUTAGENICITY		:	Product does not contain any substances with a known mutagenic effect.
CARCINOGENICITY		:	Product does not contain any substances with a known carcinogenic effect.
REPRODUCTIVE TOXICITY	Fertility	:	Product does not contain any components known to be toxic to the reproductive system, and having effects on fertility.
	Developmental	:	Product does not contain any components known to be toxic to the reproductive system, and having effects on development.
OTHER INFORMATION		:	Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. No specific antidote known.

12. ECOLOGICAL INFORMATION

GENERAL INFORMATION	:	The full ecotoxicological profile of this product has not been evaluated. Do not contaminate the environment.
ECOTOXICITY DATA	:	No information available on formulated product. Kerosene : 96hr fish LC ₅₀ : > 1000ppm, 24hr <i>Daphnia</i> EC ₅₀ : > 250ppm, 72hr Algae IC ₅₀ : 20ppm.
MOBILITY (of appropriate constituents)	:	No information available.
PERSISTENCE AND DEGRADABILITY (of appropriate constituents)	:	No information available.
BIOACCUMULATIVE POTENTIAL (of appropriate constituents)	:	No information available.
ENVIRONMENTAL CONSIDERATIONS	:	DO NOT contaminate watercourses or ground. This product does not contain any substances that are classified as dangerous to the environment. Thus, when supplied, used and disposed of as directed this product is not expected to present a danger to the environment.
OTHER ADVERSE EFFECTS	:	None known.

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF WASTE	:	Waste should be disposed of in accordance with local, State or National requirements.
DISPOSAL OF CONTAINERS	:	Empty containers should be disposed of in accordance with local, State or National requirements.
UK SPECIAL WASTE REGULATIONS, 1996	:	<u>Hazard Code</u> : H3A(i) - Highly flammable H4 - Irritant <u>Components making the waste special and their concentrations</u> : Propan-1-ol > 10 ≤ 25 % w/w
NOTE FOR DISPOSAL	:	Disposal should be in accordance with local, State or National requirements. For further advice about disposal, in the UK, contact the local office of the Environment Agency (England and Wales) or Scottish Environment Protection Agency. Local rate from anywhere in the UK: 0845 9333111.

14. TRANSPORT INFORMATION (International unless otherwise indicated)

UN NUMBER : UN1263	UK HAZCHEM EAC : 3YE	ADR HIN : 33
UK CDGRoad Transport Category : 2	Tremcard Reference No. : CEFIC TEC (R)- 30G30	IMDG EMS : 3-05
UK CDGCPL2 CARRIAGE :		
CLASS :	3	
PROPER SHIPPING NAME :	Paint	
PACKING GROUP :	II	
LIMITED QUANTITY EXEMPTIONS :	Maximum quantity per inner receptacle is 1 litre. Maximum quantity per outer package is 30kg.	
SPECIAL REQUIREMENTS :	Not required.	
LABELS :	Limited quantity labelling required for 500 ml receptacle.	
IMDG 2000 (SEA) CARRIAGE :		
CLASS :	3	
PROPER SHIPPING NAME :	Paint	
PACKING GROUP :	II	
LIMITED QUANTITY EXEMPTIONS :	Maximum quantity per inner receptacle is 1 litre. Maximum quantity per outer package is 30kg. Combination packs only.	
SPECIAL REQUIREMENTS :	Not required.	
LABELS :	Limited quantity labelling required for 500 ml receptacle.	
ADR 2001 (ROAD) CARRIAGE :		
CLASS :	3	
PROPER SHIPPING NAME :	Paint	
PACKING GROUP :	II	
LIMITED QUANTITY EXEMPTIONS :	Maximum quantity per inner receptacle is 5 litre. Maximum quantity per outer package is 45 litres. Combination packs only.	
SPECIAL REQUIREMENTS :	Not required.	
LABELS :	Limited quantity labelling required for 500 ml receptacle.	

15. REGULATORY INFORMATION

INDICATION OF DANGER	HEALTH AND SAFETY INFORMATION (see also box 2)
F - Highly Flammable : R11	: Highly flammable
X_n – Harmful : R38	: Irritating to skin.
	R41 : Risk of serious damage to eyes.
	R65 : Harmful: may cause lung damage if swallowed.
SAFETY PHRASES :	S16 : Keep away from sources of ignition – No smoking.
	S23 : Do not breathe vapour or spray.
	S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
	S51 : Use only in well ventilated areas.
	S60 : This material and its container must be disposed of as hazardous waste.
	S62 : If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
LEGISLATION :	This product is classified, in the UK, under The Chemicals (Hazard Information and Packaging for Supply) Regulations, 2002 (CHIP 3), as dangerous for supply. This product is classified, in the UK, under the Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Receptacles CDGCPL2 Regulations 1996, as dangerous for carriage.

16. OTHER INFORMATION and indication of revisions

The information given on this Safety Data Sheet (SDS) **does not** constitute an assessment in accordance with the Control of Substances Hazardous to Health (COSHH) Regulations 1999.

Product is to be used in accordance with the label and the Rentokil Hygiene Technical Manual.

Changes have been made to the content of boxes 2, 3, 8, 11, 12, 13, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 01.

SDS No. 789

STAINLESS STEEL POLISH – CHIP 3

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Before using any product, ensure that you read and understand its label.

The information contained in this safety data sheet is, to the best of our knowledge and belief, accurate and reliable at the time of publication. The information relates only to the specific material designated in this safety data sheet and may not be valid for such material if it is used in combination with any other material(s) or any other use than that specified herein. Rentokil Initial UK Ltd is not liable for the use of this product for any other purpose than that described in this safety data sheet. This does not affect your statutory rights. It is the user's responsibility to satisfy him/herself as to the suitability in completeness of such information for his/her own particular use.

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