

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** BRASS RESTORER**Product code:** BRAR**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet****Company name:** Rustins Ltd

Waterloo Road

Cricklewood

London

NW2 7TX

United Kingdom

Tel: +44 (0)208 450 4666**Fax:** +44 (0)208 452 2008**Email:** rustins@rustins.co.uk**1.4. Emergency telephone number****Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CHIP:** -: R10; C: R34**Classification under CLP:** Flam. Liq. 3: H226; Skin Corr. 1B: H314**Most important adverse effects:** Flammable. Causes burns.**2.2. Label elements****Label elements under CLP:****Hazard statements:** H226: Flammable liquid and vapour.

H314: Causes severe skin burns and eye damage.

Signal words: Danger**Hazard pictograms:** GHS02: Flame

GHS05: Corrosion

**Precautionary statements:** P102: Keep out of reach of children.

P370+378: In case of fire: Use carbon dioxide for extinction.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing.

Rinse skin with water.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321: Specific treatment (see instructions on this label).

Label elements under CHIP:

Hazard symbols: Corrosive.



Risk phrases: R10: Flammable.

R34: Causes burns.

Safety phrases: S1/2: Keep locked up and out of the reach of children.

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.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

2.3. Other hazards

PBT: This product is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

PHOSPHORIC ACID

EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	7664-38-2	C: R34	Skin Corr. 1B: H314	41.080%

ETHANOL

200-578-6	64-17-5	F: R11 Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	24.570%
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METHANOL

200-659-6	67-56-1	F: R11; T: R23/24/25; T: R39/23/24/25	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370	1.020%
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Section 4: First aid measures

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4.1. Description of first aid measures

Skin contact: Remove contaminated clothing, drench skin with plenty of water. If there is any skin damage or if irritation persists seek medical attention. Wash contaminated clothing before reuse.

Eye contact: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Seek medical attention.

Ingestion: If accidentally swallowed, wash mouth out with water. Do not induce vomiting, keep at rest and obtain medical attention. If conscious give water to drink.

Inhalation: Remove to fresh air, keep the patient warm and at rest. If recovery is not rapid and complete seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: Irritation. Prolonged and repeated contact can cause redness, burns and blisters.

Eye contact: Irritation. Pain, reddening, watering.

Ingestion: Irritation of the gastrointestinal tract. May cause nausea, vomiting, dizziness and unconsciousness.

Inhalation: Irritation of nose, throat and respiratory tract. May cause drowsiness, dizziness, headache.

4.3. Indication of any immediate medical attention and special treatment needed

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Water spray, fog or mist. Do NOT use water jet. Carbon dioxide (CO₂). Dry chemical powder. Alcohol resistant foam. Sand or earth.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Corrosive. Flammable. In combustion may emit toxic fumes of carbon dioxide, carbon monoxide and oxides of phosphorous.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear full protective clothing. Wear appropriate self-contained breathing apparatus. Cool closed containers exposed to fire with water spray. Do NOT allow run-off from fire fighting to enter drains or water courses.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Ventilate the area. Eliminate all sources of ignition. No Smoking. Avoid inhaling vapour. Avoid contact with skin and eyes. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing (see section 8).

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6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. If the product enters drains or sewers, the local water company should be contacted immediately. In the case of contamination of streams, rivers or lakes contact the relevant environment agency.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite. Transfer into a suitable container for disposal in accordance with the waste regulations (see section 13) Do not use equipment in clean-up procedure which may produce sparks. Clean preferably with a detergent, avoid the use of solvents.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid generating mist. Avoid inhalation of vapour. Avoid skin and eye contact. Smoking, eating and drinking should be prohibited in areas of storage and use. Exclude sources of heat, sparks and open flame. Earth any equipment used in handling. Use non-sparking tools. The Manual Handling Operations Regulations may apply to the handling of containers of this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, dry, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Exclude sources of heat, sparks and open flame. Take precautionary measures to prevent product spills into drains, the ground or waters. Although the storage of this product is not subject to specific statutory requirements, the principles contained in the HSE guidance note Storage of Flammable Liquids in containers, should be observed.

Suitable packaging: Ideally, keep in original container. If transfer is necessary use glass or polyethylene containers. Do not store in metal containers.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

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ETHANOL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1920 mg/m ³	-	-	-

METHANOL

UK	266 mg/m ³	333 mg/m ³	-	-
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8.1. DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn (see Respiratory protection below).

Respiratory protection: If there is a risk of exposure to high vapour concentrations, use respiratory protective equipment. All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH Regulations.

Hand protection: Wear Nitrile gloves.

Eye protection: Goggles or face shield. Ensure eye bath is to hand.

Skin protection: Overalls are normally suitable, PVC apron if risk of splashing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Clear.

Odour: Alcoholic

Solubility in water: Miscible

Boiling point/range °C: 80

Flash point °C: 32

Relative density: 1.120-1.175 @ 20C

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

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10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid: Avoid heat, flames and sparks.

10.5. Incompatible materials

Materials to avoid: May liberate flammable gas (hydrogen) in contact with metals.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion may emit toxic fumes of carbon dioxide, carbon monoxide and oxides of phosphorous.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ETHANOL

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

METHANOL

IVN	RAT	LD50	2131	mg/kg
ORL	MUS	LD50	7300	mg/kg
ORL	RAT	LD50	5628	mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Corrosivity	OPT INH DRM	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Irritation. Prolonged and repeated contact can cause redness, burns and blisters.

Eye contact: Irritation. Pain, reddening, watering.

Ingestion: Irritation of the gastrointestinal tract. May cause nausea, vomiting, dizziness and unconsciousness.

Inhalation: Irritation of nose, throat and respiratory tract. May cause drowsiness, dizziness, headache.

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Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Not expected to bioaccumulate.

12.4. Mobility in soil

Mobility: Corrosive (low pH, acidic). Soluble in water. Partially volatile. Partially absorbed into soil.
The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: There is no data available on the product itself.

Section 13: Disposal considerations

13.1. Waste treatment methods

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1263

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: Yes

14.6. Special precautions for user

Section 15: Regulatory information

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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Chemical safety assessment: Safety Data Sheet complies with UK regulatory references in accordance with CHIP 3.1.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3: H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H301: Toxic if swallowed.

H311: Toxic in contact with skin.

H314: Causes severe skin burns and eye damage.

H331: Toxic if inhaled.

H370: Causes damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

R10: Flammable.

R11: Highly flammable.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R34: Causes burns.

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.