

* SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name/designation Metal Patinating Fluid

Hazard components

Selenium Dioxide, Nitric Acid 65%

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

To colour and patinate metal surfaces

1.3 Details of the supplier of the safety data sheet

Company Name:	Priory Polishes
Address:	Unit 6, Deanfield Drive, Link 59 Business Park Clitheroe, Lancashire. BB7 1QJ
Website:	www.priorypolishes.co.uk
Tel:	01200 425443
Email:	info@priorypolishes.co.uk

* SECTION 2: Hazards identification

* 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]	Classification procedure
--	--------------------------

Met. Corr. 1, H290

Acute Tox. 4, H302

Acute Tox. 4, H332

Skin Corr. 1A, H314

Aquatic Chronic 2, H411

Hazard statements for physical hazards H290

May be corrosive to metals. **Hazard statements**

for health hazards H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage. H332 Harmful if inhaled.

Hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.

Remark

Reduced labelling for package sizes ≤ 125 ml : H290 and H411 is omitted.

*** 2.2 Label elements**

*** Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard components

Selenium Dioxide, Nitric Acid 65%

Hazard pictograms



GHS05



GHS07



GHS09

Signal word

Danger

Hazard statements

H290 May be corrosive to metals.

H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.

*** Precautionary statements**

P102 Keep out of reach of children.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P280 Wear protective gloves/eye protection.

P310 Immediately call a POISON CENTER/doctor.

P353 Rinse skin with water or shower.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305 IF IN EYES: Rinse cautiously with water for several minutes. P405 Store locked up.

P502 content/container of problem waste disposal.

2.3 Other hazards No

data available

*** SECTION 3: Composition / information on ingredients**

3.1 Substances

not applicable

*** 3.2 Mixtures**

Hazardous ingredients

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC)No 1272/2008	SCL/ M/ ATE
---------	--------	----------------	---------------	---	-------------

[CLP]

7446-08-4	231-194-7	Selenium Dioxide	< 5 weight-%	Acute Tox. 3; H301 Acute Tox. 2; H330 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	
7697-32-2	231-714-2	Nitric Acid 65%	< 2 weight-%	Ox. Liq. 2; H272 Met. Corr. 1; H290 Acute Tox. 3; H331 Skin Corr. 1A; H314 REACH	

No. Substance name

01-2119487297-23-XXXX	Nitric Acid 65%
-----------------------	-----------------

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Provide fresh air.

Following skin contact Wash immediately with:

Water

Call a physician immediately.

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Following ingestion

Give activated charcoal. If swallowed seek medical advice immediately and show the doctor packing or label.

Let water be drunken in little sips (dilution effect).

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed**Notes for the doctor**

Treat symptomatically.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

No data available

5.2 Special hazards arising from the substance or mixture No

data available

5.3 Advice for firefighters

No data available

Additional information

Product is incombustible

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Use personal protection equipment.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up**For cleaning up** Dilute

with plenty of water.

Suitable material for diluting or neutralizing:

Soda

Lime

6.4 Reference to other sections

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures Avoid:

Eye contact
Skin contact

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff.
Wash contaminated clothing immediately.
Keep away from food and drink.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

Storage class

8B Non-combustible corrosive substances

Further information on storage conditions

Recommended storage temperature: 20°C.

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Personal	protection
equipment	Eye/face
protection	safety goggles

Hand protection

In case of spray contact glove material nitril rubber, layer thickness >0.05 mm

The choice of a suitable glove depends not only on the material, but also on other quality characteristics and varies from manufacturer to manufacturer.

Since the product is a preparation of several substances, the resistance of glove materials is not predictable and must therefore be checked before use. Gloves (acid-resistant)

The material of the gloves has to be impermeable and consistent for the substance. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection

Suitable respiratory protection apparatus:

Short term: filter apparatus, Filter A/P2

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical

properties Physical state liquid

Colour dark
blue, clear

Odour
dull, somewhat metallic

Safety relevant basis data

Value

Method Source,
Remark

Odour threshold:

Melting
point/freezing
point

Boiling point or not determined
initial boiling not determined 99.2 °C point and
boiling range pressure 1013 mbar flammability
not determined

Lower and upper explosion limit not determined
Flash point not determined

Auto-ignition	temperature	Value not determined	Method	Source, Remark
Decomposition temperature		not determined		
pH	not determined	not determined		
Viscosity				
Solubility(ies)		Water solubility		multimiscible
Partition coefficient n-octanol/water (log value)		not determined		
Vapour pressure		not determined		
Density and/or relative density		1.1 g/cm ³ (20°C) pressure 1013 mbar		
Relative vapour density	not determined	particle characteristics		
	not determined			

9.2 Other information No

data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability No

data available

10.3 Possibility of hazardous reactions No

data available

10.4 Conditions to avoid Heating

over 110°C

10.5 Incompatible materials Reducing

agent

Alkali (lye)

10.6 Hazardous decomposition products

< 100°C splitting off smoke of nitric acid

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 Acute

toxicity

Animal data

Acute oral toxicity

3- 5 mg/kg

Species Rat

Indication refers to
selenium dioxide.

Acute dermal toxicity

not determined not
determined

Acute inhalation toxicity

	Method	Source, Remark
Result / Evaluation irritant / corrosive		

Serious eye damage/irritation

Animal data

Result / Evaluation irritant
/ corrosive

Method

Source, Remark

Effective dose	Method, Evaluation	Source, Remark	Sensitisation to the respiratory tract not determined
----------------	--------------------	----------------	--

Skin sensitisation not

determined

Germ cell mutagenicity not

determined

Carcinogenicity not determined

Reproductive toxicity not

determined

STOT-single exposure not determined

STOT-repeated exposure not determined

Aspiration hazard not determined

11.2 Information on other hazards No data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	not determined	Chronic	
Acute (short-term) toxicity to crustacea	not determined		
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	not determined not		
Chronic (long-term) toxicity to (long-term) fish toxicity	not determined		
determined aquatic algae and cyanobacteria			
Toxicity to other aquatic	not determined	plants/organisms	
Toxicity to microorganisms	not determined		

Skin corrosion/irritation Animal data

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste codes/waste designations according to EWC/AVV

Waste code product	Waste name
110198 *	other wastes containing hazardous substances

Appropriate disposal / Package

Dispose of contents / container in accordance with licenced collectors sorting instructions.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATADGR)
14.1 UN number or ID number	UN 1760	UN 1760	UN 1760
14.2 UN proper shipping name	CORROSIVE LIQUID, N.O.S. (Nitric acid)	CORROSIVE LIQUID, Corrosive liquid, n.o.s. (Nitric acid) N.O.S. (Nitric acid)	
14.3 Transport hazard class(es)	8	8	8
14.4 Packing group	III	III	III
14.5 Environmental hazards	No	No	No

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

No data available

Land transport (ADR/RID)

UN number or ID number	UN 1760
UN proper shipping name	CORROSIVE LIQUID, N.O.S. (Nitric acid)
Transport hazard class(es)	8
Hazard label(s)	8
Classification code	C9
Packing group	III
Environmental hazards	No

PRIORY POLISHES

Limited quantity (LQ)	5 L
Special provisions	274
Tunnel restriction code	E

Sea transport (IMDG)

UN number or ID number	UN 1760
UN proper shipping name	CORROSIVE LIQUID, N.O.S. (Nitric acid)
Transport hazard class(es)	8
Packing group	III
Environmental hazards	No
Limited quantity (LQ)	5 L
Marine pollutant	No
EmS	F-A, S-B

Air transport (ICAO-TI / IATA-DGR)

UN number or ID number	UN 1760
UN proper shipping name	Corrosive liquid, n.o.s. (Nitric Acid)
Transport hazard class(es)	8
Packing group	III
Environmental hazards	No

SECTION 15: Regulatory information

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

No data available

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Additional information

National and local regulations concerning chemicals shall be observed.

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Relevant H- and EUH-phrases (Number and full text)

H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Indication of changes

* Data changed compared with the previous version

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.

Revision Date 20/06/24

Page

PRIORY POLISHES