



Product: Pro Polish 2
Revision Date: 2/22/16

SAFETY DATA SHEET

Section 1. Product and Company Identification

Product Name: Pro Polish 2
Recommended Use(s): Metal polish
Non-Recommended / Restricted Use(s): None
Distributor: Poorboy's World UK
Bretfield Court
Dewsbury, WF12 9BG
United Kingdom
Emergency Contact: **General:** 01924 469920 UK Sales
General: +44 (0) 1924 469920 Overseas
Emergency: 1-352-323-3500 International Emergency Hotline

Section 2. Hazard Identification

GHS Classification for mixture:

Aspiration Hazard - Category 5
Specific target organ toxicity - single exposure - Category 3 (Respiratory)
Serious eye damage/eye irritation - Category 2
Skin corrosion/irritation - Category 2
Acute Toxicity Oral - Category 5

Pictograms:



Signal Word:
WARNING

Hazard Statements:

H302: Harmful if swallowed.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

Precautionary Statements:

Prevention

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

P270: Do not eat, drink or smoke when using this product

P264: Wash skin thoroughly after handling.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P271: Use only outdoors or in a well-ventilated area.

Response

P301+P312: IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.

P330: Rinse mouth.

P302+P352: IF ON SKIN: wash with plenty of soap and water.

P362: Take off contaminated clothing and wash before reuse.

P332+P313: IF SKIN irritation occurs: Get medical advice/attention.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: IF eye irritation persists: Get medical advice/attention.

P304+P340: IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

Storage

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

Disposal

P501: Dispose of contents to industrial combustion plant.

Section 3. Composition / Information on Ingredients

Identifiers	Ingredients	Percentage	Classification
1344-28-1	Aluminum oxide	30% to 40%	Oral acute tox4, Dermal acute4, Skin irrit2, Eye irrit2A, STOT SE3 Resp
8042-47-5	White mineral oil	1% to 5%	Flam liq 4, Oral acute 4, Inhalation acute4, Eye irrit2, Skin irrit2, STOT se 3 rsp, stot rep 2 (lung)
9007-48-1	Glycerol homopolymer, oleic acid ester	1% to 5%	Eye irrit2, Skin irrit2, STOT se 3 resp,
56-81-5	Glycerine	5% to 10%	Flam liq4, Eye irrit2
64742-47-8	Destillates (petroleum), hydrotreated light	10% to 25%	Flam liq 3, Skin irrit2, STOT se 3 narcotic, Asp tox 1
64742-48-9	Naphtha (petroleum), hydrotreated heavy	10% to 25%	Flam liq 4, Skin irrit2, Carc 1B, Muta 1B, STOT se 3 narcotic, Asp tox 1
30399-84-9	Fatty acid	1% to 5%	Flam liq 4, Eye 2b, Skin 2, STOT SE 3 resp
63148-62-9	Polydimethylsiloxane	1% to 5%	Skin irrit2, Eye irrit2, Env acute 2

Section 4. First-Aid Measures

First-Aid: Eyes

Wash eyes with plenty of water. Hold eyelids open to ensure adequate flushing. Remove the contact lenses if worn and easy to do that. Continue rinsing.

First-Aid: Skin

Wash contaminated areas thoroughly with soft nonabrasive soap and cold water. If redness or other symptoms persist, seek medical advice / attention. Take all contaminated clothing off immediately and wash it before reuse.

First-Aid: Ingestion

DO NOT INDUCE VOMITING. If after ingestion you feel unwell, seek medical advice. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. In case of ingestion of large quantities immediately take the exposed person to hospital. If the exposed person is conscious, give lots of water to drink. Rinse the mouth with water. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

First-Aid: Inhalation

Remove person to fresh air and keep at rest in a position comfortable for breathing. Loosen tight clothing such as a collar, tie, belt, or waistband. If after inhalation you feel unwell, seek medical advice. If necessary, provide additional oxygen once breathing is restored if trained to do so. If the exposed person is not breathing, provide artificial respiration.

First-Aid: Other

General advice: In all cases if in doubt or when symptoms persist, seek medical advice. Never give anything by mouth to an unconscious person. Only induce vomiting at the instruction of a physician. Provide this SDS to medical personnel for treatment.

Section 5. Fire-Fighting Measures

Suitable Extinguishing Media

The suggested appropriate media: Alcohol-resistant foam. Carbon dioxide. Powder BC. Water spray.

Unsuitable Extinguishing Media

High power water jets.

Protective Measures for Fire-Fighting

Wear full protective clothing. Wear self-contained breathing apparatus.

Special Protective Actions for Fire-Fighters

Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Do not allow run-off from fire fighting to enter drains or water courses. Move containers from the fire area if it is possible to do so without risk to personnel. Use water sprayer to cool the container that fire has spread to and the location affected by fire until fire is completely extinguished.

Combustion Products

Carbon dioxide (CO₂). Carbon monoxide (CO). Oxides of nitrogen (NO_x).

Specific Hazards Arising from Combustion of Products

Fire / decomposition hazards: Gas, vapors, or dust can be harmful.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Ventilate area of leak or spill. Avoid being exposed to gas / mist / dust / fume / vapor / spray / particles. Evacuate the people from the area. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Wear self-contained breathing apparatus or airline.

Environmental Precautions

Dike area to prevent runoff and contamination of water sources. Dispose off via a licensed waste disposal contractor. Dispose the material in accordance with the government regulation. Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc).

Clean-up Procedures

Ventilate affected area. Absorb with cloth, fleece, sawdust, kieselgur, sand or other universal binder. Residual liquid should be absorbed and placed in separate container. If possible, dike the area to prevent spreading. Collect and transfer to a closable container without splash or generating dust / mist for disposal by an appropriate method.

Section 7. Handling and Storage

Precautions for Safe Handling

Avoid being exposed to gas / mist / dust / fume / vapor / spray / particles. Check container for defect or leakage before handling. Do not eat, drink or smoke during handling. Do not handle in a confined space. Do not handle until all safety precautions have been read and understood. Ensure there is sufficient ventilation of the area. Handle in accordance with all current regulations and standards. Handle in accordance with good industrial hygiene and safety practice. Wash Hands thoroughly after handling. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes.

Conditions for Safe Storage

Keep container tightly closed. Respect the occupational health and safety standards. Store in a cool, well ventilated area.

Section 8. Exposure Controls / Personal Protection

Control Parameters / Limits for Component

Glycerine

DNEL/DMEL General Population Oral Chronic	229 mg/kg, Systemic effects.
DNEL/DMEL General Population Inhalation Chronic	33 mg/m ³ , Local effects.
DNEL/DMEL Worker Inhalation Chronic	56 mg/m ³ , Local effects.
PNEC Freshwater	0.885 mg/l, Single exposure. 0.0885 mg/l, Continuous.
PNEC Soil	0.141 mg/kg, Single exposure.
ACGIH TLV	TWA 10 mg/m ³ .
OSHA PEL	TWA 5 mg/m ³ (Respirable). TWA 15 mg/m ³ (Total dust).

Destillates (petroleum), hydrotreated light

DNEL/DMEL General Population Oral Chronic	19 mg/kg/d, Systemic effects.
ACGIH TLV	5 mg/m ³ .
NIOSH REL	TWA 350 mg/m ³ . Ceiling 1800 mg/m ³ (15-minute).
OSHA PEL	TWA 500 ppm. TWA 2000 mg/m ³ .

Naphtha (petroleum), hydrotreated heavy

19 mg/kg/d, Systemic effects.

DNEL/DMEL General Population Oral Chronic	
ACGIH TLV	TWA 400 ppm.
NIOSH REL	TWA 350 mg/m ³ . Ceiling 1800 mg/m ³ (15-minute).
OSHA PEL	TWA 500 ppm. TWA 2000 mg/m ³ .
Polydimethylsiloxane	
OSHA PEL	Not listed.
White mineral oil	
DNEL/DMEL Consumer dermal Chronic	220 mg/kg bw/day, Systemic effects.
DNEL/DMEL Consumer Inhalation Chronic	160 mg/m ³ , Systemic effects.
ACGIH TLV	5 mg/m ³ .
NIOSH REL	TWA 50 mg/m ³ . Ceiling 1,800 mg/m ³ , 15-minute.
OSHA PEL	TWA 500 ppm. TWA 2.000 mg/m ³ .
Fatty acid	
ACGIH TLV	STEL 10 mg/m ³ (Respirable oil mist). TWA 5 mg/m ³ (Respirable oil mist).
OSHA PEL	5 mg/m ³ (Respirable).
Aluminum oxide	
PNEC Wastewater Treatment	20 mg/l.
DNEL/DMEL Worker Dermal Chronic	15.63 mg/m ³ , Local effects.
PNEC Freshwater	0.0749 mg/l.
ACGIH TLV	3 mg/m ³ (Respirable). 10 mg/m ³ (Total Dust).
NIOSH REL	TWA 5 mg/m ³ (Respirable). TWA 15 mg/m ³ (Total dust).
OSHA PEL	TWA 5 mg/m ³ (Respirable). TWA 15 mg/m ³ (Total dust).

Engineering Measures

Eye wash stations are recommended where this product is stored, handled or used. Respect the occupational health and safety standards.

Respiratory Protection

Certified self-contained breathing apparatus must be available in case of emergency.

Eye/Face Protection

Wear safety goggles.

Skin and Body Protection

Wear appropriate chemical resistant clothing.

Hand Protection

Wear appropriate chemical resistant gloves.

Hygiene Measures

Keep away from food or drink. Use in accordance with good hygiene and safety practice. Wash Hands thoroughly after handling.

Section 9. Physical and Chemical Properties

Basic physical and chemical properties Information

Physical State	liquid Creme
Appearance	White
Odor	Citrus Fragrance
Odor threshold	Not available
pH	7.5 to 8.5 at 25C
Melting point	Not available
Boiling point	100°C / 212°F
Flash Point	99°C / 210.2°F
Evaporation rate w/r/t ether	Not available
Evaporation rate w/r/t butyl acetate	Not available
Flammability	Not applicable
Flammability limit	Not applicable
Vapor pressure	31.69 hPa at 25°C / 77°F
Vapor density	Not available
Relative density w/r/t water	1.11 at 25°C / 77°F
Relative density w/r/t air	Not available
Relative density w/r/t other substance	Not available
Solubility	Not available
Solubility in other solvents	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Freezing point	Not available

Section 10. Chemical Stability & Reactivity Information

Stability/Reactivity

Chemical stability: This product is stable under ambient condition

Reactivity: The product is known to be non-reactive in ambient conditions..

Possibility of Hazardous Reactions

Dangerous reactions are not expected if the technical instructions in storage of chemicals are met. Hazardous polymerization will not occur under normal conditions.

Conditions to Avoid

Keep away from: Fire. Heat. Open flame. Sparks. Direct sunlight.

Hazardous Products of Decomposition

Decomposition will Result in Production of : Carbon dioxide (CO₂). Carbon monoxide (CO).

Section 11. Toxicological Information

Toxicological Information for Product

Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9) is classified as Carcigen 1B and Mutagen 1B in European Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP).

Acute toxicity (Dermal): This product is classified as acute toxicity category 5 (Dermal).

Aspiration hazard: This product is an aspiration hazard.

Acute toxicity (Oral): This product is classified as acute toxicity category 4 (Oral).

Carcinogenicity: This product contains components above 0.1% concentration which are considered carcinogenic.

Specific target organ toxicity: This product is considered a STOT category 3- Respiratory effect.

Mutagenicity: This product contains components above 0.1% concentration which are considered Germ cell mutagens.

Toxicological Information for Component

White mineral oil

LD 50 Oral	> 5000 mg/kg, Rat.
LC 50 Inhalation	> 5000 mg/m ³ (4h), Rat.
LD 50 Dermal	> 2000 mg/kg, Rabbit.

Destillates (petroleum), hydrotreated light

LD 50 Oral	> 5000 mg/kg, Rat.
LC 50 Inhalation	>5 mg/l/4h, Rat.
LD 50 Dermal	>2000 mg/kg, Rabbit.

Naphtha (petroleum), hydrotreated heavy

LD 50 Oral	> 5000 mg/kg, Rat.
LC 50 Inhalation	> 5000 mg/kg, Rat.
LD 50 Dermal	>2000 mg/kg, Rabbit.

Polydimethylsiloxane

LD 50 Dermal	>2 g/kg, Rabbit. >17 g/kg, Rat.
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Glycerine

LD 50 Oral	4090 mg/kg, Mouse. 12.6 g/kg, Rat. 27 g/kg, Rabbit.
LC 50 Inhalation	> 570 mg/m ³ /h.

LD 50 Dermal > 10 gm/kg, Rabbit.

Aluminum oxide

LD 50 Oral > 10000 mg/kg, Rat.

LC 50 Inhalation 7.6 mg/l.

Glycerol homopolymer, oleic acid ester

LD 50 Oral > 2000 mg/kg.

Fatty acid

NOAEL Oral 1692 mg/kg/d, Sprague-Dawley Rat (Developmental; Data is for similar product; Test No. OECD 421).
1450 mg/kg/d, Wistar Rat (Fertility; Data is for similar product; Test No. OECD 421).

LD 50 Oral > 2000 mg/kg, Wistar Rat (At this dose no death occurred; Test No. OECD 401).

Irritation/Corrosion Information for Product

Skin: Causes severe skin burns and eye damage.

Eyes: Causes serious eye damage.

Section 12. Ecological Information

Ecotoxicity Values for Product

Ecotoxicity: No ecotoxicity values specified for product.

Ecotoxicity Values for Component

Aluminum oxide

LC 50 Fish: >100 mg/l.

EC 50 Algae: >100 mg/l.

EC 50 Aquatic invertebrates: >100 mg/l.

Glycerol homopolymer, oleic acid ester

LC 50 Fish: > 100 mg/l (96 h), *Leuciscus idus*.

EC 20 Activated sludge: > 1,000 mg/l (180 min), Domestic.

Fatty acid

LC 50 Fish: 13.4 mg/l (48 h), *Cyprinus carpio*.

NOEL Algae: 1000 mg/l (72 h).

EL 50 Algae: > 1000 mg/l (72hr).

White mineral oil

LC 50 Fish: > 10 g/l (96h), *Lepomis macrochirus*. > 100 mg/l (96h), *Oncorhynchus mykiss*.

EC 50 Algae: >= 100 mg/l (72 h), *Pseudokirchneriella subcapitata*.

Glycerine

LC 50 Fish: 50-67 mg/l LC50 (96 h), Rainbow trout.

Section 13. Disposal Considerations

Waste Disposal Regulation(s) / Operation

Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment.

Section 14. Transportation Information

Other

This product is not regulated for transport. This product is not regulated for transport.

Section 15. Regulatory Information

Safety, Health and Environmental Regulations for Component

Aluminum oxide

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
CANADA:	Domestic Substances List (DSL): listed.
US:	TSCA (Toxic Substances Control Act): listed. OSHA: listed as hazardous. CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act): Not listed. SARA Section 313 (Specific toxic chemical listings): listed.

White mineral oil

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
CANADA:	Domestic Substances List (DSL): listed.
US:	TSCA (Toxic Substances Control Act): listed.

Glycerol homopolymer, oleic acid ester

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
CANADA:	Domestic Substances List (DSL): listed. WHMIS Hazard Classification: not listed.
US:	TSCA (Toxic Substances Control Act): listed.

Glycerine

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
CANADA:	Domestic Substances List (DSL): listed.
US:	TSCA (US Toxic Substances Control Act): listed.

Destillates (petroleum), hydrotreated light

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
CANADA:	Domestic Substances List (DSL): listed.
US:	TSCA (Toxic Substances Control Act): listed.

Naphtha (petroleum), hydrotreated heavy

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
CANADA:	Domestic Substances List (DSL): listed.
US:	TSCA (Toxic Substances Control Act): listed.

Fatty acid

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
CANADA:	Domestic Substances List (DSL): listed.
US:	TSCA (Toxic Substances Control Act): listed.

Polydimethylsiloxane

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
CANADA:	Domestic Substances List (DSL): listed.
US:	TSCA (Toxic Substances Control Act): listed.

Section 16. Other Information

Glossary

ACGIH:	American Conference of Governmental Industrial Hygienists.
Acute tox:	Acute toxicity.
ADR:	Accord europeen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road).
ATE:	Acute Toxicity Estimate.
BCF:	BioConcentration Factor.
CAS:	Chemical Abstracts Service (Service that maintains the most comprehensive list of chemical substances).
CEPA:	Canadian Environmental Protection Act.
CERCLA:	Comprehensive Environmental Response, Compensation, and Liability Act.
CLP:	Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
CMR:	Carcinogenic, Mutagenic or toxic for Reproduction.
DMEL:	Derived Minimal Effect Level.
DNEL:	Derived No-Effect Level.
DOT:	Department of Transportation USA.
DSL:	Canadian Domestic Substances List.
EC50:	Effective concentration of a substance that causes 50% of the maximum response
EINECS:	European Inventory of Existing Commercial chemical Substances.
ELINCS:	European List of Notified Chemical Substances.
EPA:	US Environmental Protection Agency.

ErC50:	ErC50 means EC50 in terms of reduction of growth rate after exposure. Damaging to eyes.
Eye dam:	Irritant to the eye.
Eye irrit:	Irritant to the eye.
Flam liq:	Flammable liquid.
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals” developed by the United Nations.
IARC monographs:	IARC Monographs on the Evaluation of Carcinogenic Risks to Humans.
IATA/DGR:	Dangerous Goods Regulations (DGR) for the air transport (IATA).
ICAO:	International Civil Aviation Organization.
LD50:	The dose required to produce the death in 50 percent of the exposed species within a specified time.
LOAEC:	Lowest adverse effects concentrations.
Log KOW:	n-octanol/water.
MARPOL:	International Convention for the Prevention of Pollution from Ships (abbr. of Marine Pollutant).
Met corr:	Corrosive to metals.
N/A:	Not available.
N/D:	Not determined.
NDSL:	Canadian Non-Domestic Substances List.
NIOSH:	National Institute for Occupational Safety and Health.
NOAEL:	No-observed-adverse-effect-level.
OSHA:	Occupational Safety and Health Administration (United States).
PBT:	Persistent, Bioaccumulative and Toxic.
PEL:	Permissible exposure limit. An exposure limit that is published and enforced by OSHA as a legal standard.
PNEC:	Predicted No-Effect Concentration.
ppm:	Parts per million.
REL:	Recommended exposure limit.
RTECS:	Registry of Toxic Effects of Chemical Substances.
SARA:	Superfund Amendments and Reauthorization Act.
Skin . corr:	Corrosive to Skin.
Skin irrit:	Irritant to Skin.
TSCA:	Toxic Substances Control Act.
TWA:	Time-weighted average.
UN:	United Nations.
vPvB:	Very Persistent and Very Bioaccumulative.
WHIMIS:	Workplace Hazardous Materials Information System.