

This Safety Data Sheet has been compiled in accordance with Article 31, Annex II of Commission Regulation (EC) No. 1907/2006, particular as amended by Regulation (ECC) No. 987/2008, No. 1272/2008, No. 453/2010 and No. 2015/830.

Date of issue: 08/09/2017

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Replaces version n/a Version:1.0
dated: n/a

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

1.1. Product identifier

Product form : Mixture
Product name : Honing Paste, Mirror Paste, PA70 ProMicro-Polish PA70
Product code : DWS/MP/40

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : A liquid abrasive compound for the polishing of metal.
For professional use only.

1.2.2. Uses advised against

No additional information available.

1.3. Details of the supplier of the safety data sheet

Trend Machinery & Cutting Tools Ltd
Unit 6 Odhams Trading Estate
St. Albans Road
Watford
Herts
United Kingdom
T 0044 1923 249911
F 0044 1923 236879
technical@trendm.co.uk
www.trend-uk.com

1.4. Emergency telephone number

Emergency number : 07792 121731 Only available during office hours 9am to 4pm
Monday to Friday UK time

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin Irr. 2, H315
Eye Irr. 2, H319

Adverse physicochemical, human health and environmental effects

No additional information available.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP/GHS) : Warning
Hazardous ingredients : Ammonia, Naptha (petroleum) hydrodesulfurised heavy
Hazard phrases (CLP/GHS) : H304 - May be fatal if swallowed and enters airways.
: H315 - Causes skin irritation.
: H319 - Causes serious eye irritation.
Precautionary phrases (CLP/GHS) : P101 - If medical advice is needed, have product container or label at hand.
: P102 - Keep out of reach of children.
: P103 - Read label before use.
: P246 - Wash hands thoroughly after handling.
: P280 - Wear protective gloves, protective clothing, eye/face protection.
Response phrases (GHS) : P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
: P302 + P352 - IF ON SKIN wash with plenty of soap and water.
: P305 + P351 + P338 - IF IN EYES rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
: P331 - Do NOT induce vomiting.
: P332 + P313 - If skin irritation occurs get medical advice/attention.
: P337 + P313 - If eye irritation occurs get medical advice/attention.
Storage and disposal phrases (GHS) : P405 - Store locked up.
: P501 - Dispose of contents/container in a safe manner in accordance with local, regional, national and/or international regulations.

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2.3. Adverse human health effects and symptoms

- 2.3.1 Inhalation : Not applicable.
 2.3.2 Skin contact : May cause skin irritation. Prolonged or repeated skin contact may cause
 2.3.3 Eye contact : May cause eye irritation.
 2.3.4 Ingestion : Not applicable.
 Additional Information : Not applicable.

This product is a mixture which does not meet the criteria for PBT or PvB in accordance with Annex XIII of REACH.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixture

Name	Product identifier	Concentration	Classification according to Regulation (EC) No. 1272/2008 (CLP)
Abrasive Powders	REACH No. Non-hazard	Not set	
Ammonia (28-32%)	(CAS No 1336-21-6) (EC No 215-647-6) (EC Index No N/A) (REACH No 01-2119982985-14-xxxx)	0.1 - 2.5%	Not applicable
Naptha (petroleum), hydrodesulfurised heavy	(CAS No 64742-82-1) (EC No 265-184-4) (EC Index No N/A) (REACH no 01-2119490979-xxxx)	0.1 - 2.5%	Not applicable

Hazardous substance classification	
Ammonia (28-32%)	Naptha (petroleum) hydrodesulfurised heavy
 Acute Tox. 4, H302, H312, H332	 Asp. Tox. 1, H304
 Skin Corr. 1 A, H314	 Flam Liq. 3, H226
 Aquatic Acute 1, H400	 STOT SE3, H335, H336
	 Aquatic Chronic 2, H411

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : If exposed to excessive levels of vapour, remove exposed individual to fresh air.
 First-aid measures after skin contact : Wash skin with plenty of soap and water.
 First-aid measures after eye contact : Flush eyes with water for several minutes, also under eyelids. Seek medical advice/attention.
 First-aid measures after ingestion : Product is non-toxic. Drink large quantity of water, do NOT induce vomiting.
 Further advice : If symptoms persist seek medical advice/attention.

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

- Severe inhalation : May cause drowsiness or dizziness.
 Eye contact : May result in eye irritation.

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

No additional information available



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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : CO₂, Water fog, Dry powder.
Unsuitable extinguishing media : DO NOT USE WATER JETS.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products : Carbon dioxides (CO, CO₂)

5.3. Advice for firefighters

Firefighting instructions : No information available.
Protection during firefighting : Self-contained breathing apparatus with chemical resistant gloves should be worn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Minimise skin contact, avoid eye contact, and remove ignition sources. Wear safety goggles and gloves.
Emergency procedures : No additional information available.

6.1.2. For emergency responders

Protective equipment : Minimise skin contact, avoid eye contact, and remove ignition sources. Wear safety goggles and gloves.
Emergency procedures : No additional information available.

6.2. Environmental precautions

6.2.1 : Keep away from drains, surface and ground water.

6.3. Methods and material for containment and cleaning up

6.3.1 : Temporarily bund area to prevent spreading.
6.3.2 : Use an appropriate tool to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

6.4. Reference to other sections

See Section 13. Disposal considerations.

SECTION 7: Handling and storage

For industrial and professional users, certain precautionary statements are given in this section in order to avoid the need to print them on the label.

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good local exhaust ventilation at the workplace. No special provisions are required other than normal good housekeeping and precautions regarding hygiene.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work thoroughly after handling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.
Storage conditions : Store in a well ventilated area at temperatures between 5° to 30° C. The product should be kept away from direct sunlight and other sources of heat.

Incompatible products : No incompatibility is expected between product and other substances in normal industrial use.

Incompatible materials : Avoid contact with strongly oxidising materials.

Further advice : The product is not affected if stored outside the specified range. A temperature outside 5°C to 30°C is acceptable for periods of <72 hours. The product must be allowed to reach the specified temperature range before use.

7.3. Specific end use(s)

The product is used by applying it by hand to the metal surface. Protective measures as described in Section 8 should be heeded, and care in the application of compound will help maintain cleanliness in the workplace.

See also Section 12 Ecological Information.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National Limit Values

: The only applicable control parameter is the concentration of airborne dust generated during use. The currently applicable parameter is the Workplace Exposure Limit (WEL). Abrasive powder may be released during use and this is subject to the Workplace Exposure Limits given below. The values shown are taken from the HSE Guidance Notes "Workplace Exposure Limits" (reference EH40/2005, amended 2011).

8.1.2 Occupational Exposure limit values

Abrasive Powder	WEL (8hr TWA)
Total inhalable dust	10 mg/m ³
Respirable dust	4 mg/m ³

8.1.3 Information on monitoring procedures

: The current recommended monitoring procedure is Personal Sampling, in accordance with the HSE booklet "General methods of sampling and gravimetric analysis of respirable and total inhalable dust" (reference MDHS 14/3). This procedure gives a resulting milligrams of dust per cubic metre, which relates directly to the published WEL standards.

8.2. Exposure controls

8.2.1 Engineering controls

: Local Exhaust Ventilation should be provided to maintain exposure below the WEL during use. Where LEV is not available, protective equipment should be employed as described in Section 8.2.2.

8.2.2 Personal protective equipment

Respiratory protection

: Wear respiratory equipment that complies with the requirement or national legislation.

Hand protection

: Gloves

Eye protection

: Goggles or safety spectacles with side-shields.

Skin protection

: Suitable protective clothing.



Other information

: Do not eat, drink or smoke during use.
: Overalls should be worn, and changed when contaminated.
: Other than keeping away from drains, water and soil, there are no specific requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Paste
Colour	: Light blue
Odour	: Slight, soap-like.
Odour threshold	: More perceptible when warm.
pH	: > 7
Evaporation rate	: No data available.
Melting point	: Not applicable.
Boiling point	: > 80°C
Flash point	: > 65°C, not determined.
Flammability	: Not applicable; product is non-flammable.
Flammability limits	: Not applicable; product is non-flammable.
Vapour pressure	: 3.17KPa @ 25°C.
Vapour density	: No data available.
Specific gravity at 20°C	: 1.10 - 1.15g/cm ³
Water solubility	: Miscible emulsion.
Partition coefficient n-octanol/water	: No data available.
Auto-ignition temperature	: > 230°C
Decomposition temperature	: Unknown.
Viscosity	: 100000 - 500000mPa.S
Explosive properties	: Not applicable; product is not explosive.
Oxidising properties	: Not applicable; product is non-oxidising.



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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Avoid storage at temperatures below 0°C or above 40°C.

10.5. Incompatible materials

Contact with oxidising substances should be avoided.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses. No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Toxicity: : LD50/LC50 values relevant to mixture classification.
: **CAS No. 1366-21-6:** LD50=350 mg/kg (oral, rat).
LC50(4hr)=1.4mg/l (inhalation, rat).
: **CAS No. 64742-82-1:** LD50=>5000mg/kg (oral, rat).
Skin irritation or corrosion : **Primary effect:** Irritant to skin and mucous membranes.
Serous eye damage/irritation: : **CAS No. 1336-21-6:** Draize test, rabbit, eye: 250ug Severe.
Respiratory or skin sensitisation : No sensitising effects known.
Germ cell mutagenicity : Based on available data, the classification criteria are not met.
Carcinogenicity : Based on available data, the classification criteria are not met.
Reproductive toxicity : Based on available data, the classification criteria are not met.
STOT-single exposure : **CAS64742-82-1:** Respiratory irritation and drowsiness
STOT-repeated exposure : Based on available data, the classification criteria are not met.
Aspiration toxicity : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

: **CAS No. 1366-21-6 (Ammonia, aqueous solution)**
Fish: Rainbow trout: LC50=0.008mg/L; 24Hr.; Unspecified.
Fish: Fathead Minnow: LC50=8.2mg/L; 96Hr.; Unspecified.
Fish: Bluegill/Sunfish: LC50=0.024-0.093mg/L; 48Hr.; Unspecified.
Water fleas: Daphnia: EC50=0.66mg/L; 48Hr.; 22°C.
: **CAS No. 64742-82-1 (Naphtha (petroleum), hydrodesulfurised heavy)**
Fish: LC50=10mg/l; 96Hrs.
Daphnia: EC50=10mg/l; 48Hrs.
Algae: IC50=4.6-10mg/l; 72Hrs.

12.2. Persistence and degradability

Readily biodegradable.

12.3. Bioaccumulative potential

Negligible

12.4. Mobility in soil

Negligible

12.5. Results of PBT and vPvB assessment

Not relevant.

12.6. Other adverse effects

The product has no potential for ozone depletion.



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SECTION 13: Disposal considerations

13.1. Product/packaging disposal

Waste disposal recommendations : Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. Recycling and disposal of packaging should be carried out in compliance with local regulations. The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorised waste management company.

13.2. Waste treatment methods

Waste disposal recommendations : Waste should be disposed of in accordance with local regulations.

13.3. Sewage disposal

Waste disposal recommendations : In the unlikely event of the product finding its way into sewage, no special considerations are required.

13.4. Other disposal recommendations

Waste disposal recommendations : The user should refer to the local, national and European provisions regarding waste disposal. See also Section 12 of this SDS Ecological Information.

SECTION 14: Transport information

14.1. UN number

UN-No : Not applicable.
UN-No.(IATA) : Not applicable.
UN-No. (IMDG) : Not applicable.

14.2. UN proper shipping name

Proper Shipping Name : Not applicable.
Transport document description : Not applicable.

14.3. Transport hazard class(es)

Class (UN) : Not applicable.
Class (IATA) : Not applicable.
Class (IMDG) : Not applicable.
Hazard labels (UN) : Not applicable.

14.4. Packing group

Packing group (UN) : Not applicable.

14.5. Environmental hazards

Dangerous for the environment : Not applicable.
Marine pollutant : Not applicable.
Other information : Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

14.8. Other relevant information

The product is not classified as Dangerous Goods for any mode of transport.

SECTION 15 : Regulatory information

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

EU regulations : Not applicable.

Authorisations and/or restrictions on use

Authorisations : Not applicable.
Restrictions for use : Not applicable.

Other EU regulations : Not applicable.
Information according to 199/13 about limitation of emissions of volatile organic compounds (VOC guideline) : Not applicable.

15.2. Chemical safety assessment

A Chemical Safety Assessment was not necessary for this product.
See also Section 12 of this SDS Ecological Information.



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SECTION 16: Other information

User notes	: Sections revised n/a
Data sources	: Regulation (EC) No. 1272/2008 Classification. This mixture has been classified using methods as described in Article 9(4) of Regulations (EC) No.1272/2008.
Other information	: Suppliers own data sheet (JBM Ltd) issued 8th June 2017, Issue v2.1.
Other information listed by supplier as data sources	: HSE Guidance Notes "Workplace Exposure Limits" reference EH40/2005, amended 2011. : European Chemicals Agency "Guidance on the compilation of safety data sheets" version 2.1, February 2014. : Subcontractors own safety data sheets and technical information.
Other information advised by supplier	: Training advice - It is recommended that all end users of this product seek guidance from the supplier regarding correct handling and use.
Trend SDS reference	: LEAF/HS/DWSMP

Hazard phrases:

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes skin irritation.
H315	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.