

Date of issue: 07/11/2016

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Replaces version 2.0 Version:3.0
dated: 28/5/2015**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture
Product name : Honing Compound Bar
Product code : DWS/HP/100, BLUMAX

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 solid abrasive compound for finishing of metallic materials, intended for use by application to a rotating wheel or mop or on a strop for hand tools.
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 : 0044 1298 25335 (office hrs) Lea Manufacturing Co. Ltd
UK time

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

This product does **NOT** meet the criteria for classification in any hazard class according to Regulation (EC) no. 1272/2008 on classification, labelling and packaging of substances and mixtures. However a Safety Data Sheet is supplied on request as the product contains components for which there are Community Workplace Exposure Limits.

The Safety Data Sheet also serves to communicate information down the supply chain in accordance with Article 32 of REACH.

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) : None required.
Signal word (CLP) : None required.
Hazardous ingredients : None required.
Hazard statements (CLP) : None required.
Precautionary statements (CLP) : P262 - Do not get in eyes, on skin, or on clothing.
: P280 - Wear protective gloves, eye protection.

2.3. Other hazards

Use of the product may generate a dust, which is not classified as harmful but has a Workplace Exposure Limit. Experience shows that tendency for the dust to become airborne is limited because it is wetted in wax. Dust hazard from foreseeable use of the product is therefore minimal, but it is recommended that appropriate precautions be taken by the user. See Section 8.

SECTION 3: Composition/information on ingredients**3.1. Substances**

Not applicable.

3.2. Mixture

For REACH classification purposes this product is a **mixture**. It consists of particulate Aluminium Oxide and Magnesium Silicate abrasives suspended in a solid binder of naturally occurring lipids and hydrocarbon waxes. No registration number is given as the product does not contain any substances that presents a hazard to health or environment, in concentrations equal or greater than those laid down by Regulations (EC) No. 453/2010; however the Aluminium Oxide and Magnesium Silicate are shown because they have Workplace Exposure Limits (refer to Section 8).

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Name	Product identifier	Concentration	Classification according to Regulation (EC) No. 1272/2008 (CLP)
Aluminium oxide	(CAS No 1344-28-1) (EC No 215-691-6) (EC Index No N/A) (REACH No 01-2119529248-35-xxxx)	55 - 65%	Not applicable
Magnesium silicate	(CAS No 1348-88-0) (EC No 215-681-1) (EC Index No N/A) (REACH no 01-2119556793-27-xxxx)	7 - 14%	Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Medical attention is only required after eye contact. No delayed affects.
- First-aid measures after inhalation : If exposed to excessive levels of dust, remove to fresh air.
- First-aid measures after skin contact : Wash skin with plenty of soap and water.
- First-aid measures after eye contact : Flush with water for 15 minutes, also under eyelids. Seek medical advice.
- First-aid measures after ingestion : Product is non-toxic. Drink large quantity of water, do NOT induce vomiting.
- Further advice : No delayed effects are expected.
: Removal of clothes and shoes is NOT necessary.
: Personal protective equipment for first aid responders is NOT necessary.

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

- Severe inhalation : May result in shortness of breath.
- Eye contact : May result in redness and swelling.

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

No additional information available

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

Product is combustible but not flammable. Experience shows that if ignited burns slowly with a smoky flame. In a large fire, or enclosed space, the resulting smoke could be a hazard. Burning creates carbon dioxide, and if burnt in a restricted supply of air there may also be potential for the creation of carbon monoxide.

5.3. Advice for firefighters

- Firefighting instructions : No information available.
- Protection during firefighting : Breathing apparatus 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 : The product is a solid waxy bar and in the event of spillage or accidental release there is unlikely to be a significant hazard, or any need for provision of ventilation or respiratory protection. 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 : There are no special requirements for personal protection or suitable protective fabrics.
- Emergency procedures : No additional information available.

6.2. Environmental precautions

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- 6.2.1 : Although the product is non-toxic and partly biodegradable, spillage should be kept away from drains, water, and soil. See also Section 12 Ecological Information.
- 6.2.2 : There is no need to alert the neighbourhood in the event of a spillage.

6.3. Methods and material for containment and cleaning up

- 6.3.1 : Solid product - can be picked up for re-use, reclamation or proper disposal.
- 6.3.2 : No particular precautions are required other than those applicable to normal handling.

6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.
See Section 12 Ecological Information.

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 : The product is not hazardous and no special provisions are required other than normal good housekeeping precautions regarding hygiene, lifting, etc.
- 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.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Comply with applicable regulations.
- Storage conditions : Store 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.
: Store away from sources of heat and out of direct sunlight.

7.3. Specific end use(s)

The product can be used by applying to a rotating wheel or mop, the heat of friction softening the wax binder and facilitating transfer of compound from bar to mop. The combination of rotating machinery and compound transfer has clear safety and cleanliness issues, and it is intended that operators will use their judgement and adopt safe working practices. Protective measures as described in Section 8 should be heeded, and care in the application of compound to the mop will help maintain cleanliness in the workplace. See also Section 12 Ecological Information.

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). None of the components of the product are classifiable as hazardous under REACH, and a Chemical Safety Report was not required. However Aluminium Oxide and Magnesium Silicate may be released during use and re 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 :

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

Magnesium Silicate	WEL (8hr TWA)
Total inhalable dust	1 mg/m ³
Respirable dust	-

- 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

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: 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

: Local exhaust ventilation should be provided to maintain exposure below the WEL during use. Where LEV is not available. Gloves. Protective goggles.

Respiratory protection

: A disposable dust mask is adequate when used rotating wheel or mop.

Hand protection

: Canvas gloves are desirable, for protection primarily against rotating machinery, cutting edges and risk of abrasion.

Eye protection

: Goggles or safety spectacles.



Other information

: Do not eat, drink or smoke during use.

: Overalls should be worn, and changed when contaminated.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Solid
Appearance	: Waxy bar
Colour	: Blue
Odour	: Slight and soap-like.
Odour threshold	: More perceptible when warm.
pH	: Not applicable.
Evaporation rate	: Not applicable.
Melting point	: > 52° C
Boiling point	: Not applicable; product is solid.
Flash point	: Not applicable; product is non-flammable.
Self ignition temperature	: No data available.
Flammability	: Not applicable; product is non-flammable.
Flammability limits	: Not applicable; product is non-flammable.
Vapour pressure	: Negligible at normal ambient conditions.
Vapour density	: Not applicable; product is not volatile.
Relative vapour density at 20 °C	: Approximately 1.7.
Water solubility	: Insoluble.
Partition coefficient n-octanol/water	: > 3 (estimated) for wax binder system
Auto-ignition temp	: > 350°C
Decomposition temperature	: Unknown.
Viscosity	: Not applicable; product is a solid at room temperature.
Explosive properties	: Not applicable; product is not explosive.
Oxidising properties	: Not applicable; product is non-oxidising.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Experience shows that neither the product nor any of its components have the potential for hazardous reaction under normal conditions of use or storage, on contact with water, or if released into the environment.

10.2. Chemical stability

Under storage at normal ambient temperatures (0°C to 30°C) the product is stable.

10.3. Possibility of hazardous reactions

Experience shows that the product has no potential to react or polymerise, release excess pressure or heat, or create other hazardous conditions.

10.4. Conditions to avoidThe product may become visibly soft if stored at temperatures above normal ambient. This renders the product unstable but has no safety implications. Experience shows the pressure, light, shock, static discharge, vibration or other physical stresses are **not** capable of producing a hazardous situation.**10.5. Incompatible materials**

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Contact with highly oxidising materials should be avoided.

10.6. Hazardous decomposition products

Decomposition through combustion will produce carbon dioxide, smoke, and possibly carbon monoxide if burnt in a limited supply of air.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Neither the product nor its components are toxic, but experience shows the product is capable of causing skin or eye irritation. This is purely mechanical effect to the abrasive content, and its not due to any inherent toxicity or chemical property.

SECTION 12: Ecological information**12.1. Toxicity**

Neither the product nor its components are toxic.

12.2. Persistence and degradability

The wax binder is readily biodegradable. The abrasive is not biodegradable but is not harmful to the environment.

12.3. Bioaccumulative potential

None of the components have potential to bioaccumulate.

12.4. Mobility in soil

The wax binder components being readily biodegradable have little or no potential to migrate into the groundwater. The solid abrasives do not have potential to migrate but they are chemically inert and present no environment hazard. Quantitative information is not available.

12.5. Results of PBT and vPvB assessment

A chemical safety report was not required so this section is not applicable.

12.6. Other adverse effects

The product has no potential for ozone depletion.

SECTION 13: Disposal considerations**13.1. Product/packaging disposal**

Waste disposal recommendations : The fresh product, its packaging, and its residues from foreseeable use, present no hazards and can be disposed of as Non-Hazardous Waste.

13.2. Waste treatment methods

Waste disposal recommendations : No special considerations are required. The product and its residues can be landfilled or incinerated as Non-Hazardous Waste. Contaminated packaging can be landfilled or incinerated as Non-Hazardous Waste, and uncontaminated cardboard packaging can be recycled.

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.

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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.

SECTION 16: Other information

User notes : Sections revised 1 to 16.
Revision due to change in regulations.

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 (LEA Manufacturing Co. Ltd) issued May 2015, revision 2.0.

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.
: Croners reference publications.
: 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.
: Exposure scenarios - No exposure scenarios are required because this product is not subject of a Chemical Safety Report. No exposure scenarios or associated information, have been communicated to supplier in the health and safety information from raw material subcontractors.

Trend SDS reference : LEAF/DWSHP

Precautionary phrases:

P262	Do not get in eyes, on skin, or on clothing.
P280	Wear protective gloves/protective clothing/eye protection.

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.