

Title: Plastimax Bar  
Issue: v3.0 (supersedes v2)  
Issue date: 12/02/20



## Safety Data Sheet

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

### **SECTION 1: Identification of product and company**

- 1.1 Product identifier** **Plastimax Bar**
- 1.2 Relevant identified use** A solid abrasive compound for finishing metallic materials, intend for use with a rotating wheel or mop.
- 1.3 Details of supplier of SDS** Lea Manufacturing Company,  
Unit 1, Tongue Lane Industrial Estate,  
Dew Pond Lane, Buxton,  
Derbyshire SK17 7LN,  
United Kingdom
- Telephone:** 01298 25335 (0044 1298 25335 outside UK)  
**Fax:** 01298 79945 (0044 1298 79945 outside UK)  
**Email:** [info@lea.co.uk](mailto:info@lea.co.uk)
- 1.4 Emergency telephone** 01298 25335 (only available during office hours 08:20-17:00 Monday-Thursday & 08:20-12:30 Friday, UK time)

### **SECTION 2: Possible Hazards**

- 2.1 Classification of the substance or mixture**  
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 and subsequent amendments, however, a Safety Data Sheet is supplied on request as the product contains components for which there are Union Workplace Exposure Limits
- The Safety Data Sheet serves to communicate information down the supply chain in accordance with Article 32 of REACH
- 2.2 Label elements**
- |                          |  |
|--------------------------|--|
| Hazard Pictograms:       | None   |
| Signal word:             | None   |
| Hazard statement:        | None   |
| Precautionary phrase(s): | P282 : Wear cold insulating gloves/face shield/eye protection<br>P501 : Dispose of contents/containers in accordance with local regulation |
- 2.3 Other hazards**
- Result of PBT and vPvB assessment: Not applicable
- May generate airborne dust during use – see SECTION 8 of this SDS ‘Exposure controls and personal protection’
- EU Hazard information: EUH066 – see SECTION 16 of this SDS ‘Other Information’



### SECTION 3: Composition/information on ingredients

For REACH classification purposes this product is a **mixture**. It consists of amorphous silica abrasive suspended in a solid wax matrix. No registration number is given as the product does not contain any substances that present a hazard to health or environment, in concentrations equal or greater than those laid down in Commission Regulation (EU) No 2015/830, however amorphous silica is shown because it has Union Workplace Exposure Limits – see SECTION 8 of this SDS ‘Exposure controls and personal protection’

Component	CAS Number	EC Number	REACH Number	Concentration
Amorphous Silica	7631-86-9	231-545-4	01-2119379499-16-xxxx	50 – 75%

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- Inhalation : If exposed to excessive levels of dust, remove to fresh air
- Eye contact : Flush with water for 15 minutes, also under eyelids. Seek medical advice if irritation persists
- Skin contact : Wash with plenty of soap and water
- Ingestion : Drink 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 or swelling

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

No special treatment is needed

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable : CO<sub>2</sub> / Water fog / Dry powder
- Unsuitable : Water jet

#### 5.2 Special hazards arising from the mixture

- Hazardous combustion products : Carbon Oxides (CO, CO<sub>2</sub>)

#### 5.3 Advice for firefighters

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: Minimise skin contact, avoid eye contact, and remove any ignition sources
- 6.1.2 For emergency responders: There are no special requirements for personal protection or suitable

**Title: Plastimax Bar**  
**Issue: v3.0 (supersedes v2)**  
**Issue date: 12/02/20**



protective fabrics

## 6.2 Environmental precautions

6.2.1. Keep away from drains, surface and ground water

## 6.3 Methods and materials for containment and cleaning up

6.3.1 Spilt product can be picked up for re-use, reclamation or proper disposal

6.3.2 No particular precautions are required

## 6.4 Reference to other sections

6.4.1 See SECTION 13 of this SDS '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

The product is not hazardous, and no special provisions are required. Do not eat, drink or smoke in work areas, and wash hands after using or handling the product.

No risk phrases are required. However, S24 (avoid contact with skin) and S25 (avoid contact with eyes) are relevant but purely because of the mechanical effect of the abrasive content and not because of any inherent toxicity or chemical property.

## 7.2 Conditions for safe storage, including any incompatibilities

Store in a well ventilated area at temperatures between 5°C to 30°C. The product should be kept away from direct sunlight and other sources of heat. Contact with strongly oxidising materials should be avoided

## 7.3 Specific end use

The product is used by applying it to a rotating 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 SECTION 8 'Exposure controls and personal protection' and SECTION 12 'Ecological Information' of this SDS

# SECTION 8: Exposure controls and 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 amorphous silica 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

Amorphous Silica	WEL (8hr TWA)
Total inhalable dust	6mg/m <sup>3</sup>
Respirable dust	2.4mg/m <sup>3</sup>

### 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*

1 Tongue Lane Industrial Estate, Dew Pond Lane, Fairfield, Buxton, SK17 7LN

Telephone No.: + 44 (0)1298 25335

Fax No.: + 44 (0)1298 79945

e-mail: info@lea.co.uk

**Title: Plastimax Bar**  
**Issue: v3.0 (supersedes v2)**  
**Issue date: 12/02/20**



*inhalable dust*" (reference MDHS 14/3). This procedure gives a result in 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 Individual protection measures

- |                        |   |   |
|------------------------|---|---|
| Respiratory protection | : | A disposable dust mask is adequate  |
| Hand protection:       | : | Canvas gloves are desirable, for protection primarily against rotating machinery and risk of abrasion                   |
| Eye protection:        | : | Goggles or safety spectacles  |
| Skin protection:       | : | No further skin protection should be necessary but a barrier cream may be advisable for individuals with sensitive skin |
| General:               | : | Overalls should be worn, and changed when contaminated  |

### 8.2.3 Environmental exposure controls

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

- |   |   |  |
|---|---|--|
| Appearance                                    | : | Cream coloured waxy solid                |
| Odour (if any)                                | : | Slight, soap-like                        |
| Odour threshold                               | : | More perceptible when warm               |
| pH  | : | N/A                                      |
| Melting point                                 | : | > 52°C                                   |
| Boiling point                                 | : | Not applicable; solid product            |
| Flash point                                   | : | Not applicable; product is non-flammable |
| Evaporation rate                              | : | Not applicable                           |
| Flammability                                  | : | Not applicable; product is non-flammable |
| Flammability limits                           | : | Not applicable; product is non-flammable |
| Vapour pressure                               | : | Negligible at ambient temperature        |
| Vapour density                                | : | Not applicable; product is not volatile  |
| Specific gravity at 20°C                      | : | ≈1.7g/cm <sup>3</sup>                    |
| Water solubility                              | : | Insoluble                                |
| Partition coefficient <i>n</i> -octanol/water | : | >3; estimated for wax binder system      |
| Auto-ignition temperature                     | : | > 350°C                                  |
| Decomposition temperature                     | : | Unknown                                  |
| Viscosity at 20°C                             | : | Not applicable; solid product            |
| Explosive properties                          | : | Not applicable; product is not explosive |
| Oxidising properties                          | : | Not applicable; product is non-oxidising |

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None

### 10.2 Chemical stability

**Title:** Plastimax Bar  
**Issue:** v3.0 (supersedes v2)  
**Issue date:** 12/02/20



Stable

**10.3 Possibility of hazardous reactions**

None

**10.4 Conditions to avoid**

Avoid storage at temperatures below 5°C or above 30°C

**10.5 Incompatible materials**

Oxidising substances

**10.6 Hazardous decomposition products**

None

## SECTION 11: Toxicological information

Neither the mixture nor its components are toxic

## SECTION 12: Ecological information

**12.1 Toxicity**

Not toxic

**12.2 Persistence and degradability**

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

**12.3 Bioaccumulative potential**

None of the components have potential to bio-accumulate

**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 have potential to migrate but they are chemically inert and present no environmental hazard. Quantitative information is not available

**12.5 Results in PBT and vPvB assessment**

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

**12.6 Others**

The product has no potential for ozone depletion

## SECTION 13: Disposal considerations

**13.1 Product / packaging disposal**

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**

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**

No special considerations are required

**13.4 Other disposal recommendations**

The user should refer to the local, national and European provisions regarding waste disposal. See SECTION 12 of this SDS 'Ecological Information'

## SECTION 14: Transport information

**14.1 UN Number**

Not Applicable

**Title:** Plastimax Bar  
**Issue:** v3.0 (supersedes v2)  
**Issue date:** 12/02/20



- 14.2 UN proper shipping name** Not Applicable  
**14.3 Transport hazard class(es)** Not Applicable  
**14.4 Packing group** Not Applicable  
**14.5 Environmental hazards** 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 a Dangerous Goods for any mode of transport

## SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulation/legislation specific to the product**  
EC regulations : Not applicable  
Authorisations and/or restrictions on use  
Authorisations : Not applicable  
Restrictions on use : Not applicable  
Other EU regulations : Not applicable  
Information according to 1999/13 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. No health and safety information is necessary on the label.  
See SECTION 12 of this SDS 'Ecological Information'

## SECTION 16: Other information

### Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

- Hazard Statement(s): None  
Precautionary Phrase(s): P282 : Wear cold insulating gloves/face shield/eye protection  
Response P501 : Dispose of contents/containers in accordance with local regulation  
**EU Hazard information:** EUH066 : Repeated exposure may cause skin dryness or cracking

### Sources of key data used to compile this SDS

- CLP Regulation reference EC1272/2008  
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  
Croner's reference publications  
Raw material suppliers' own Safety Data Sheets and technical information

### Training advice

It is recommended that all end users of this product seek guidance from the supplier regarding correct handling and use

### Exposure scenarios

1 Tongue Lane Industrial Estate, Dew Pond Lane, Fairfield, Buxton, SK17 7LN  
Telephone No.: + 44 (0)1298 25335  
Fax No.: + 44 (0)1298 79945  
e-mail: info@lea.co.uk

**Title: Plastimax Bar**  
**Issue: v3.0 (supersedes v2)**  
**Issue date: 12/02/20**



No exposure scenarios are required because this product is not the subject of a Chemical Safety Report. No exposure scenarios, or associated information, have been communicated to us in the health and safety information from our raw material suppliers

**Disclaimer**

The information given in this SDS is based upon the present state of our knowledge. The SDS has been compiled for, and is intended solely for, the product identified in SECTION 1.1

**WARRANTY**

We warrant our goods to conform to our standard specifications. This Warranty is in lieu of any and all other warranties or guarantees and our obligation hereunder for breach of such warranty is limited to either refund of the purchase price or replacement of said goods as we may elect

We believe that the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind except as specified above. Beyond that specified above, we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of the use of, or inability to use, our goods. Their quality and suitability for any particular purpose or use should be confirmed by the user's own tests

The product will remain fit for use for a minimum of five years provided normal care is taken to ensure appropriate storage conditions and that any special storage conditions given on the product labels are adhered to at all times