HEWITT JEWELLERY EQUIPMENT LTD

SAFETY DATA SHEET

This Safety Data Sheet has been compiled in accordance with Article 31 of REACH (Requirements for Safety Data Sheets) and Annex II of REACH, particularly as amended by Commission Regulation (EU) No.453/2010.

Number of revision : 2 Date of issue : December 2014

SECTION 1 Identification of product and company

1.1 Product identifier **LUXI GREY**

For REACH purposes this product is a mixture. No registration number is given because this product and its components are exempted from registration under REACH.

1.2 Relevant identified use A solid abrasive compound for rough finishing of metals, intended for use by application to a rotating wheel or mop.

1.3 Details of supplier of SDS Hewitt Jewellery Equipment Ltd
PO box 418 Market Drayton TF9 4AY United Kingdom

Telephone : 01630 698714 (0044-1630 698714 outside UK)
Fax : " " " "
email : sales@hewitt-impex.co.uk

1.4 Emergency telephone 01630 698714 (only available during office hours 0820-1700 Monday-Thursday and 0820-1230 Friday, UK time).

SECTION 2 Possible hazards

2.1 Classification of the 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. However, a Safety Data Sheet is supplied on request as the product contains components for which there are Community Workplace Exposure Limits. These limits relate to Nuisance Dust and not to any toxic or otherwise harmful emissions or effects.

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

2.2 Label elements

Hazard Pictograms : none required
Risk Phrases : none required
Safety Phrases : **S24** and **S25** are relevant. For industrial and professional users (as distinct from consumers, who do not receive the SDS) they are given in full in Section 7.1of this SDS in order to avoid the need to print them on the label.

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 with 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

For REACH classification purposes this product is a **mixture**. It consists of particulate aluminium oxide abrasive suspended in a wax binder of vegetable, animal and petrochemical origin. None of these components are classifiable under REACH but the aluminium oxide is shown because it has a Workplace Exposure Limit as indicated. As such it is described as a 'Nuisance Dust'.

Components	*CAS No.*		***WEL (8hr TWA)***	***Content***
Aluminium oxide	1344-28-1	total inhalable dust respirable dust	10 mg/m^3 4 mg/m^3	60-70 %

Classification under REACH : none
Symbol letters : none
R phrases : none

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 min, also under eyelids. Seek medical advice.
Skin contact Wash with plenty of soap and water.
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 SYMPTOMS AND EFFECTS

Severe inhalation May result in shortness of breath
Eye contact May result in redness or swelling

SECTION 5 Fire fighting measures

5.1 **Suitable extinguishing media** : CO_2 : water fog : dry powder
Unsuitable extinguishing media : Water jet

5.2 **Specific exposure hazards, combustion products etc.**
This product is combustible, but not flammable. Experience shows that if ignited it will burn slowly with a smoky flame. In a large fire, or in an 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 **Special advice for firefighters**
Breathing apparatus should be worn.

SECTION 6 Accidental release measures

6.1 Personal precautions

6.1.1 For non-emergency personnel : The product is a waxy solid and in the event of spillage or accidental release there is unlikely to be a significant dust hazard, or any need for provision of ventilation or respiratory protection. Minimise skin contact, avoid eye contact, and remove ignition sources.

6.1.2 For emergency responders : There are no special requirements for personal protection or suitable protective fabrics.

6.2 Environmental precautions

6.2.1 Although the product is non-toxic and partly biodegradable, it is still desirable that spillage should be kept away from drains, water, and soil. See also Section 12 of this SDS 'Ecological Information'.

6.2.2 There is no need to alert the neighbourhood in the event of a spillage.

6.3 Methods for 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 other than those applicable to normal handling.

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 other than normal good housekeeping and precautions regarding hygiene, lifting, etc. Do not eat, drink or smoke in work areas, and wash hands after using or handling he product.

No Risk Phrases are required. However, Safety Phrases S24 (Avoid contact with skin) and S25 (Avoid contact with eyes) do apply. These precautions are recommended 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

The product should be kept away from direct sunlight and other sources of heat. No incompatibility is expected between the product and other substances in normal industrial use. However, contact with strongly oxidising materials should be avoided.

7.3 Specific end use

The product is used by applying it 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 of this SDS 'Ecological Information'.

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 aluminium oxide may be released during use and this is subject to the Workplace Exposure Limit given below and also in Section 3 of this data sheet. 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

Component	*CAS No.*		
Aluminium oxide	1344-28-1	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 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

Appearance	:	Solid waxy bar coloured dark grey
Odour if any	:	Slight and soap-like
Odour threshold	:	More perceptible when warm
pH	:	not applicable; product is solid
Melting point	:	> 52^{o}C
Boiling point/range	:	not applicable; product is solid
Flash point	:	not applicable, product is not flammable
Evaporation rate	:	not applicable, product is not volatile
Flammability	:	not applicable, product is not flammable
Flammability limits	:	not applicable, product is not flammable
Vapour pressure	:	negligible at normal ambient conditions
Vapour density	:	not applicable, product is not volatile
Relative density at 20^{o}C	:	approximately 1.8
Water solubility	:	not soluble
Partition coefficient n-octanol/water	:	> 3 (estimated) for wax binder system
Auto-ignition temp	:	> 350°C
Decomposition temp	:	not known
Viscosity	:	not applicable, product is a solid
Explosive properties	:	not applicable, product is not explosive
Oxidising properties	:	not applicable, product is not oxidising

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 avoid
The product may become visibly soft if stored at temperatures above normal ambient. This renders the product unusable but has no safety implications. Experience shows that pressure, light, shock, static discharge, vibration or other physical stresses are **not** capable of producing a hazardous situation.

10.5 Incompatible materials
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

Neither the product nor its components are toxic, but experience shows the product is capable of causing skin or eye irritation. This is a purely mechanical effect due to the abrasive content, and is 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 abrasives are not biodegradable but are 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 have potential to migrate but they are chemically inert and present no environmental 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 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
In the unlikely event of the product finding its way into sewage, 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 also Section 12 of this SDS ‘Ecological Information’.

SECTION 14 Transport information

14.1	**UN number**	Not applicable
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 MARPOL73/78 and the IBC code Not applicable

14.8 Other relevant information
The product is not classified as a Dangerous Good for any mode of transport.

SECTION 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the product
EU 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 also Section 12 of this SDS 'Ecological Information'.

SECTION 16 Other information

Data changed compared with previous version

Section

1	Product identified as a mixture (was formerly a preparation), addition of office hours to contact details
2	Label elements stated
3	Product identified as a mixture (was formerly a preparation)
4	Symptoms and effects added
5	No significant change
6	No significant change
7	Expansion of handling information
8	No significant change
9	New information provided on physical and chemical properties
10	New statements regarding stability and potential for hazardous reaction
11	No significant change
12	New statements regarding mobility in soil and results of PBT and vPvB assessment
13	New statements regarding disposal
14	No significant change
15	No significant change
16	No significant change

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.

Risk phrases : No Risk Phrases are required for this product.

Safety phrases : S24 : Avoid contact with skin

S25 : Avoid contact with eyes

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 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.

"The information herein is given in good faith, but no warranty, express or implied, is made."