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Edition: June 2016

Asphaltum Powder

(TNL 1762 + 17622)

1. Identification of the substance/preparation and of the company/undertaking

Product name: Asphaltum (Gilsonite)
Product code: 1762 + 17622
Relevant identified uses of the substance or mixture:
Used in making etching grounds
Company name: Lawrence Art Supplies
36 Kingsthorpe Road
Hove
BN3 5HR
Tel: 01273 260260
Fax: 01273 260270
Email: artbox@lawrence.co.uk
Emergency Number: Mon - Thurs 9am-5pm, Fri 9am - 4pm (not a poison centre) 01273 260260

2. Hazards identification

2.1. Classification of the substance or mixture

N/A

2.2. Label elements:

Label in accordance with EU- Directive 67/548: not hazardous



Signal word Warning

Hazard Statements

WHMIS Classification

DB2 – skin and eye irritant

2.3. Other hazards

May form combustible dust concentrations in air.

Mild Respiratory Irritant: Dust may produce symptoms of cough and phlegm in workers with high exposures.

Mild Irritant: May cause eye irritation. May cause skin sensitization or irritation.

3. Composition/information on ingredients

3.1. Substances

Ingredient	CAS No.	EC ANNEX	Wt.%	Comments:
Gilsonite	12002-43-6	310-127-6	100	No comments

EU- Directive 67/548: Considered as a substance that is not hazardous

Chemical Identity: Uintaite/Uintahite

Common Name: Asphaltum Powder, Gilsonite®, Asphaltene

Impurities and Other Additives: N/A

4. First aid measures

4.1. Description of first aid measures

Persons seeking medical attention should carry a copy of this GHS SDS with them.

Inhalation Persistent cough and/or phlegm, Not expected to require first aid measures. Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If inhalation irritation persists: Seek medical advice/attention.

Ingestion Not expected to be a primary route of exposure. If conscious, dilute with 2-3 glasses of water or milk. Induce vomiting if conscious. If ingestion irritation persists: Seek medical advice/attention.

Skin content Irritant: Dry skin, Redness. Not expected to require first aid measures. Remove contaminated clothing and launder before reuse. Wash skin thoroughly with soap and water. If skin irritation persists: Seek medical advice/attention.

Eye contact Irritant: Redness, Discomfort to eyes. Discomfort to eyes. Promptly wash eyes with copious amounts of water while lifting eye lids. Remove contact lenses. Continue to rinse for at least 15 minutes. If eye irritation persists: Seek medical advice/attention.

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

N/A

5. Fire-fighting measures

5.1. Extinguishing media

Use ABC fire extinguisher or water

5.2. Special hazards arising from the substance or mixture

Explosive Dust, Sensitivity to Static Discharge: Asphaltum Powder may form combustible dust concentrations in air. It is classified as St-2, strong explosion, under the OSHA Directive Number CPL-03-00-008.

Products are classified as flammable/combustible: may ignite and burn if exposed to a flame or other sources of ignition

Products of decomposition/combustion include: Oxides of Carbon and Nitrogen.

5.3. Advice for fire-fighters

No one other than trained fire fighters should attempt to fight fires. Do not enter fire area without proper personal protective equipment: approved self-contained breathing apparatus. Evacuate area and fight fire from a safe distance. Water spray may be used to keep fire-exposed containers cool. Keep water run off out of sewers and waterways.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use the personal protective equipment identified in Section 8. Avoid the generation of dust.

6.2. Environmental precautions:

Waste must be disposed of in accordance with federal, state and local laws.

6.3. Methods and material for containment and cleaning up

Evacuate the spill area with the exception of the spill response team. Wet product may create a slipping hazard. Contain spilled material. Avoid the generation of dust. Sweep or shovel and place into closable container for disposal.

7. Handling and storage

7.1. Precautions for safe handling:

Put on appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid generating or breathing dust. Use with adequate ventilation or dust control measures. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Store in dry, well-ventilated area. Keep container closed. Store away from oxidizers and any ignition source. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

8. Exposure controls/personal protection

8.1. Control parameters

Use appropriate engineering controls such as, exhaust ventilation and process enclosures to prevent air contamination and keep workers' exposure below the applicable limits.

8.2 Exposure controls:

Personal protective equipment

All chemical Personal Protective Equipment (PPE) should be selected based on an assessment of both the chemical hazard present and the risk of exposure to those hazards. The PPE recommendations below are based on an assessment of the chemical hazards associated with this product. Where this product is used in a mixture with other products or fluids, additional hazards may be created, and as such, further assessment of risk may be required. The risk of exposure and need of respiratory protection will vary from workplace to workplace and should be assessed by the user in each situation.

Respiratory protection:

All respiratory protection equipment should be used within a comprehensive respiratory protection program that meets the requirements of 29 CFR 1910.134 (U.S. OSHA Respiratory Protection Standard) or local 6 equivalent. If exposed to airborne particles of this product use at least a dust mask or a NIOSH approved N95 half-mask disposable or re-useable particulate respirator.

Hand protection:

Use protective gloves made of: Nitrile, Polyvinylchloride (PVC), Natural Rubber, or Latex.

Eye protection:

Safety Glasses

Body protection:

Wear appropriate clothing to prevent repeated or prolonged skin contact. Chemical resistant gloves recommended for prolonged or repeated contact.

8.3 General safety and Hygiene measures:

Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded, if contaminated with product.

9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form	Solid
Colour	Black
Odour	Odourless to slight odour
pH value:	N/A
Boiling point (°C)	No Data
Auto ignitionTemperature:	500°C
Flash point	310°C
Evaporation rate:	N/A
Flammable lower limits in air:	No data
Flammable upper limits in air:	250-500g/m ³
Vapour pressure	N/A
Melting/freezing point	No data
Relative Vapour density(air)	N/A
Thermal decomposition:	550°C
Viscosity, dynamic:	N/A
Viscosity, kinematic:	N/A

9.2. Other information

Sensitivity to Static Discharge: Asphaltum Powder Dust in the air is classified as St-2, Strong Explosion

10.Stability and reactivity

10.1. Reactivity

Non-reactive

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No data

10.4. Conditions to avoid

Keep away from heat, sparks, flame and excessive heat above 288°C. See Section 11.

10.5. Incompatible materials

Avoid use with strong oxidizers.

10.6. Hazardous decomposition products

For thermal decomposition products upon heating above 288°C, see Section 11.

11. Toxicological information

Acute Exposure Effects, Irritation and Sensitization:	See Section 2.
Chronic, Carcinogenicity, Reproductive Toxicity, Teratogenicity, Embryotoxicity, Mutagenicity effects:	See Component Toxicological Summary and Product Toxicological Information below.
Synergistic Products/Effects:	ND
Routes of Exposure:	Skin and eye contact, inhalation, and ingestion
Symptoms:	Mild skin, eye, and respiratory irritant
Delayed/Immediate Effects:	ND
Chronic Effects:	None
Measures of toxicity:	Asphaltum Powder is not listed in the National Toxicology Program Report on Carcinogens (12th edition) and has not been found to be a potential carcinogen in the International Agency for Research on Cancer Monographs (Volume 100) or by OSHA.
Component Toxicological Data:	Any adverse component toxicological effects and acute toxicity values (LD50s, LC50s) are listed below. If no effects or acute values are listed for components, no such data were identified.

Component Toxicological Summary

Asphaltum Powder Risk Studies	Studies have shown that naturally occurring Asphaltum Powder is not carcinogenic or mutagenic Processes in which Asphaltum Powder is brought to very high temperatures, however, may alter its structure and may produce a carcinogenic or mutagenic risk: <ol style="list-style-type: none">1. Asphaltum Powder distilled at 1370°C and dissolved in benzene was carcinogenic to mice when applied 3 times a week for 80 weeks.2. Asphaltum Powder heated to 343°C and cooled is mutagenic in the Ames assay. It is not recommended to heat Gilsonite® above 288°C.
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12. Ecological information

Assessment of aquatic toxicity:	No data
Assessment of terrestrial toxicity:	No data
Bioaccumulation potential:	No data
Mobility in soil:	No data
Other adverse environmental effects:	No data

Important Note: Asphaltum Powder is a naturally occurring solid hydrocarbon that has been shown in its natural state to be nontoxic to both aquatic and terrestrial life.

13. Disposal considerations

13.1. Safe Handling	Refer to Section 7
13.2. Waste Classification	No data
13.3. Waste management	Under U.S. Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user to determine at the time of the disposal, whether the product meets RCRA criteria for the hazardous waste. This is because product uses, transformations, mixtures, processes, etc., may render the resulting materials hazardous. Empty containers retain residues. All labelled precautions must be observed.
13.4. Waste treatment methods	Recover and reclaim or recycle, if practical. Should Asphaltum Powder become a waste: Dispose of it in a permitted industrial landfill. Ensure that the containers are empty by the RCRA criteria prior to disposal in a permitted industrial landfill.

14. Transport information

U.S. DOT Shipping Description:	Not regulated for transportation by DOT, TDG, IMDG, ICAO/IATA.
Canada TDG Shipping Description:	Not regulated.
UN PIN No:	Not regulated.
IMDG Shipping Description:	Not regulated.
ICAO/IATA Shipping Description:	Not regulated.

15. Regulatory information

U.S. Federal and State Regulations:	SARA 311/312 (42 U.S.C. §§ 11021 and 11022 and implementing regulations) Hazard Categories: Fire Hazard SARA 302/304, 313 (42 U.S.C. §§ 11002, 11004, and 11023); CERCLA RQ (40 C.F.R. §§ 302.4 and 302.5): This product is not subject to the referenced SARA and CERCLA regulations and is not expected to pose a significant risk under anticipated use conditions.
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International Chemical Inventories

- Australia AICS-** Components are listed or exempt from listing.
- Canada DSL-** Components are listed or exempt from listing.
- China Inventory-** Components are listed or exempt from listing.
- European Union EINECS/ELINCS-** Components are listed or exempt from listing.
- Japan METI ENCS-** Components are listed or exempt from listing.
- Korea TCCL ECL-** Components are listed or exempt from listing.
- New Zealand-** Components are listed or exempt from listing.
- Philippine PICCS-** Components are listed or exempt from listing. **U.S.**
- TSCA-** Components are listed or exempt from listing.
- U.S. TSCA-** No components are subject to TSCA 12(b) export notification requirements.

Canadian Classification: Controlled Products Regulations Statement (CPR): This product has been classified in accordance with the hazard criteria of the CPR and the GHS SDS contains all the information required by the CPR.

WHMIS Class: D2B- Skin and eye irritant.

16. Other information

Disclaimer: While every effort has been made to accurately describe this product, some of the data are obtained from sources beyond our direct supervision. We have made no effort to censor or conceal deleterious aspects of this product. Since we cannot anticipate or control the conditions under which this information and product may be used, we make no guarantee that the precautions we have suggested will be adequate for all individuals and/or situations. This GHS SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this GHS SDS information may not be applicable. It is the obligation of each user of this product to comply with the requirements of all applicable laws regarding use and disposal of this product. No warranty, either expressed or implied, or liability of any nature with respect to this product or to the data herein is made or incurred hereunder.