



SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

GHS Product Identifier	Not applicable.
Chemical Name	Not applicable.
CAS No.	Mixture
Trade name	Asphaltum Gold Leaf Varnish
Product Code	02 asphaltum

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

Identified use(s)	Protective Coating
Uses advised against	None.

Details of the supplier of the safety data sheet

Company Identification	UNITED STATES Gilders Specialty Products 60480 Christy Lane Angie, La 70426
Telephone	Tel: 1-800-531-3359
Website	www.gildersspecialtyproducts.com

Emergency telephone number

Emergency Phone No.	CHEMTREC 24 hr. (800) 424-9300 or +1 (703) 527-3887 (Collect call accepted)
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SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)

Flam. Liq. 2; Carc. 1B; Skin Irrit. 2, Asp. Tox. 1, STOT SE 3, STOT RE 2

Label elements

Hazard Symbol



DANGER

Signal Word(s)

Hazard statement(s)

Highly flammable liquid and vapour.
May cause cancer - Dermal (skin tumors)
Causes skin irritation.
May cause drowsiness or dizziness.
May cause respiratory irritation.
Causes damage to organs through prolonged or repeated exposure: (auditory dysfunction)
May be fatal if swallowed and enters airways.

Precautionary statement(s)

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/protective clothing/eye protection/face protection.



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Other hazards

Additional Information

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands and exposed skin after use.

Contaminated work clothing should not be allowed out of the workplace.

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

This product contains chemicals known to the State of California to cause cancer.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Hazardous ingredient(s)	% wt.	CAS No.	Hazard statement(s)
Ligroine	50%	8032-32-4	Flammable liquid and vapour. (Flam. Liq. 3) Causes skin irritation. (Skin Irrit. 2) May be fatal if swallowed and enters airways. (Asp. Tox. 1) May cause drowsiness or dizziness. (STOT SE 3) Toxic to aquatic life. (Aquatic Acute 2) Toxic to aquatic life with long lasting effects. (Aquatic Chronic 2)
Asphalt, oxidized^	45%	64742-93-4	May cause cancer - Dermal (skin tumors)
Xylene	0 - 5%	1330-20-7	Flammable liquid and vapour. (Flam. Liq. 3) May be fatal if swallowed and enters airways. (Asp. Tox. 1) Causes skin irritation. (Skin Irrit. 2) Causes eye irritation. (Eye Irrit. 2B) May cause respiratory irritation. (STOT SE 3) May cause drowsiness or dizziness. (STOT SE 3)
Ethylbenzene	0 - 1%	100-41-4	Highly flammable liquid and vapour. (Flam. Liq. 2) May be fatal if swallowed and enters airways. (Asp. Tox. 1) Harmful if inhaled. (Acute Tox. 4) Causes damage to organs through prolonged or repeated exposure: (auditory dysfunction) (STOT RE 2) Toxic to aquatic life. (Aquatic Acute 2) Harmful to aquatic life with long lasting effects. (Aquatic Chronic 3)

^Contains: Polycyclic Aromatic Compounds (PACs). See Section: 15.

Additional Information - Other Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.: None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation

Move person to fresh air. Keep patient at rest and give oxygen if breathing difficult. Apply artificial respiration if necessary. If symptoms persist, obtain medical attention.

Skin Contact

Wash affected skin with soap and water. Wash contaminated clothing before reuse. If symptoms occur obtain medical attention.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Drink one glass of water. Do not give anything by mouth to an unconscious person. Do not induce vomiting. Call a physician (or poison control centre immediately).

Most important symptoms and effects, both acute and delayed

None known

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**Indication of the immediate medical attention
and special treatment needed**

None known

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Extinguish preferably with foam, carbon dioxide or dry chemical.
Water spray should be used to cool containers.

**Special hazards arising from the substance or
mixture**

Combustion causes toxic fumes. Combustion products: Hydrogen sulfide,
Sulphur oxides, Carbon dioxide, Carbon monoxide

Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire. Keep upwind.

SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment
and emergency procedures**

Avoid contact with skin and eyes. Avoid inhalation of vapours.

Environmental precautions

Prevent liquid entering sewers, basements and workpits.

**Methods and material for containment and
cleaning up**

Eliminate sources of ignition. Stop leak if safe to do so. Ensure adequate ventilation. Contain spillages with sand, earth or any suitable adsorbent material. Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor.

Reference to other sections

None.

Additional Information

None.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities

- Storage Temperature
- Incompatible materials

Keep in a cool, well ventilated place.
Strong oxidising agents.

Specific end use(s)

Protective Coating

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Ligroine	8032-32-4	-----	350 mg/m3	-----	1800 mg/m3	-----
Asphalt*	64742-93-4	-----	5 mg/m3	-----	-----	Fume
Xylene	1330-20-7	100 ppm	100 ppm	-----	150 ppm	-----
Ethylbenzene	100-41-4	100 ppm	20 ppm	-----	-----	A3

*Inhalable fraction; A3 - Confirmed Animal Carcinogen (ACGIH)

Recommended monitoring method

NIOSH 1501 & NIOSH 1550 & NIOSH 5042

Exposure controls

Appropriate engineering controls

Keep container closed when not in use. Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapour etc) below recommended exposure limits. Keep upwind.

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Personal protection equipment

Eye/face protection



Wear protective eye glasses for protection against liquid splashes.

Skin protection (Hand protection/ Other)



Avoid contact with skin. Wear suitable protective clothing and gloves. Gloves should be changed if excessive exposure has occurred. Check with protective equipment manufacturer's data.

Respiratory protection



In case of inadequate ventilation wear respiratory protection. Use NIOSH approved respiratory protection.

Thermal hazards

Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls

Do not discharge waste and/or cleaning water via public sewer system. Ensure waste is collected and contained.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Viscous liquid
Colour	Black
Odour	Hydrocarbon solvent
Odour Threshold (ppm)	Not available.
pH (Value)	Not available.
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	93 - 149 (200 - 300 °F)
Flash Point (°C)	> 65 °F [Closed cup]
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Explosive limit ranges	Not applicable.
Vapour Pressure (Pascal)	Not determined.
Vapour Density (Air=1)	Not determined.
Density (g/ml)	0.8 - 1.0
Solubility (Water)	Negligible
Solubility (Other)	Not known
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	Not determined.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40 °C	< 20.5
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Other information	Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	May react violently with: Strong oxidising agents, Water
Conditions to avoid	Heat.
Incompatible materials	Oxidizers. May react violently with water.
Hazardous Decomposition Product(s)	Combustion causes toxic fumes. Combustion products: Hydrogen sulfide, Oxides of carbon, Sulphur oxides



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SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

Ligroine (CAS No. 8032-32-4)

Acute toxicity (calculated / estimated)	Oral: LD50 >5000 mg/kg-bw Dermal: LD50 >2000 mg/kg-bw Inhalation: LC0 ≥5.28 mg/l (Vapor), 4-hr. rat - May cause drowsiness or dizziness.
Irritation/Corrosivity	Causes skin irritation. Repeated exposure may cause skin dryness or cracking.
Sensitization	It is not a skin sensitizer.
Repeated dose toxicity	Oral: NOEL 750 mg/kg Dermal: NOEL 0.5 ml/kg bw Inhalation: NOEL ≥1000 mg/m3
Carcinogenicity	Not to be expected

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Mutagenicity	Not to be expected
Reproductive toxicity	Not to be expected

Asphalt, Oxidized (CAS No. 64742-93-4)

Acute toxicity	Not to be expected
Irritation / Corrosivity	Not to be expected
Sensitisation	It is not a skin sensitizer.
Repeated dose toxicity	Not to be expected
Carcinogenicity	May cause cancer - Dermal (skin tumors)

NTP	IARC	ACGIH	OSHA
No.	Group 2A; Probably carcinogenic to humans.	A4; Not classifiable as human carcinogen	No.

Mutagenicity	Not to be expected
Reproductive toxicity	Not to be expected
Other information	None known.

Xylene (CAS No. 1330-20-7)

Acute toxicity	Oral LD50 = 3520 mg/kg (rat) Dermal LD50 >5000 mg/kg (rabbit) Inhalation LC50 = 27.6 mg/L (4 hour(s)) (rat) - Vapours may cause drowsiness and dizziness. May cause respiratory irritation.
Irritation / Corrosivity	Causes eye irritation. Causes skin irritation. Repeated exposure may cause skin dryness or cracking.
Sensitisation	It is not a skin sensitizer.
Repeated dose toxicity	Oral NOAEL = 900 mg/kg/day (rat) (90-days) Inhalation NOAEL ≥19,000 ppm (rat)
Carcinogenicity	Not to be expected

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Mutagenicity	Not to be expected
Toxicity for reproduction	Not to be expected
Other information	Contains: Ethylbenzene (CAS# 100-41-4). A3 - Confirmed Animal Carcinogen (ACGIH)

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Ethylbenzene (CAS No. 100-41-4)

Acute toxicity

Oral LD50 (rat): ≈ 3500 mg/kg-bw
Inhalation LC50 (rat): 17.8 mg/l
Dermal LD50 (rabbit): ≈ 15.4 g/kg-bw

Irritation / Corrosivity

Not to be expected

Sensitisation

Not to be expected

Repeated dose toxicity

Causes damage to organs through prolonged or repeated exposure: (auditory dysfunction)

Carcinogenicity

Not to be expected

NTP	IARC	ACGIH	OSHA
No.	No.	A3 - Confirmed Animal Carcinogen (ACGIH)	No.

Mutagenicity

Not to be expected

Toxicity for reproduction

Not to be expected

Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Substances in preparations / mixtures

Ligroine (CAS No. 8032-32-4) - By analogy with similar materials

Short term

LL50 ≈ 8.2 mg/l (*Pimephales promelas*) (96 hour)
EL50 = 4.5 mg/l (*Daphnia magna*) (48 hour)
EL50 = 3.1 mg/l (*Pseudokirchnerella subcapitata*) (72 hour)

Long Term

LL50 = 5.2 mg/l (*Pimephales promelas*) (14 days)
NOELR = 2.6 mg/l (*Daphnia magna*) (21 days)

Xylene (CAS No. 1330-20-7) - By analogy with similar materials

Short term

LC50 = 2.6 mg/l (*Oncorhynchus mykiss*) (96 hour)
IC50 = 1 mg/l (*Daphnia magna*) (24 hour(s))
EC50 = 1.9 mg/l (*Pseudokirchnerella subcapitata*) (73 hour(s))

Long Term

NOEC >1.3 mg/l (*Oncorhynchus mykiss*) (56 days)
Other: *Typically contains Ethylbenzene

Ethylbenzene (100-41-4)

Short term

LC50 = 4.2 mg/l (*Oncorhynchus mykiss*) (96 hour)
EC50 = 1.8 - 2.4 mg/l (*Daphnia magna*) (48 hour)
EC50 = 3.6 mg/l (*Pseudokirchnerella subcapitata*) (96 hour)

Long Term

NOEC ≈ 3.4 mg/l (*Pseudokirchnerella subcapitata*) (96 hour)
IC50 = 3.3 mg/l (*Ceriodaphnia dubia*)

Persistence and degradability

The product is not biodegradable.

Bioaccumulative potential

The product has low potential for bioaccumulation.

Mobility in soil

- Asphalt (CAS No. 64742-93-4)
- Ligroine (CAS No. 8032-32-4)
- Xylene (CAS No. 1330-20-7)
- Ethylbenzene (CAS No. 100-41-4)

The substance has low mobility in soil.
The substance has high mobility in soil.
The substance has high mobility in soil.
The substance has moderate mobility in soil.

Results of PBT and vPvB assessment

Not applicable

Other adverse effects

None known.

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SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Additional Information

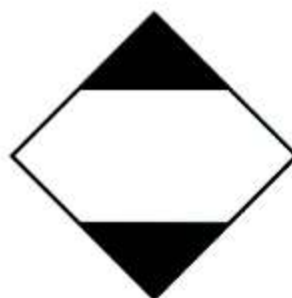
None known.

SECTION 14: TRANSPORT INFORMATION

Ground or Water Demestic Voyage

If shipped in 0.26 gallon cans (1L) or less:

UN1263, Paint, 3, II, Ltd. Qty.



If shipped in 1 or 5 gallon pails (3.8L or 18.9L):

UN1263, Paint, 3, II



If shipped in 55 gallon drums (208L) or bulk:

UN1263, Paint, 3, II, (contains Benzo[a]pyrene and Benzo[b]fluoranthene), RQ



Non-bulk

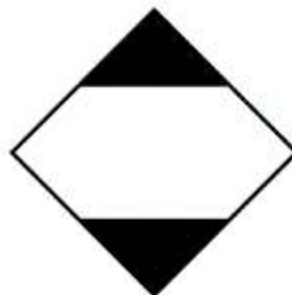


Bulk

Sea transport (IMDG)

If shipped in 1.3 gallon cans (5L) or less:

UN1263, Paint, 3, II, (13°C c.c.), Ltd. Qty.



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If shipped in 5 gallon pails (18.9L):

UN1263, Paint, 3, II, (13°C c.c.)



If shipped in 55 gallon drums (208L):

UN1263, Paint, 3, II, (13°C c.c.), (contains Benzo[a]pyrene and Benzo[b]fluoranthene), RQ



Air transport (ICAO/IATA)

If shipped in 0.13 gallon cans (0.5L) or less and net per package 0.26 gallons (1L):

UN1263, Paint, 3, II, Ltd. Qty.



If shipped in 1 or 5 gallon pails (3.8L or 18.9L):

UN1263, Paint, 3, II



SECTION 15: REGULATORY INFORMATION

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

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

RCRA Hazardous Waste Number (40 CFR 261.33): F003, U239

US RCRA Hazard Class: Ignitable or Toxic Waste

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	Qty^ (Pounds)	Qty^ (Gallons)
Xylene (mixed isomers)	1330-20-7	0 - 5	100	2,000	200

[^]Quantity of spill to reach RQ.

SARA 311/312 - Hazard Categories:

☒ Fire ☐ Sudden Release ☐ Reactivity ☒ Immediate (acute) ☒ Chronic (delayed)

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SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Xylene (mixed isomers)	1330-20-7	3.5 - 5.6
Polycyclic Aromatic Compounds (PACs)	Category No. N590	16.5

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
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Proposition 65 (California): "WARNING: This product contains chemicals known to the State of California to cause cancer."

SECTION 16: OTHER INFORMATION

Additional Information



NFPA Rating



HMIS (Hazardous Material Information System)

The following sections contain revisions or new statements: 1-16.

Date of preparation: Revision: March 19-2019

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