

Safety Data Sheet

SDS ID: Stock Code BD

Revision date: February 13, 2023

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: "Black Dragon" Black Gilsonite Asphalt Paint

Synonyms: None

Chemical family: Petroleum Hydrocarbon

Producer: J.C. Whitlam Manufacturing Company

200 West Walnut Street

P.O. Box 380

Wadsworth, Ohio 44282-0380

www.icwhitlam.com

Telephone: 330-334-2524 Available during normal business hours

Emergency: 330-334-2524 Available during normal business hours

Section 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Harmful or fatal if swallowed. Vapors harmful. May irritate eyes or skin.

GHS Label elements, including precautionary statements

DANGER - Causes damage to organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.
Flammable liquid and vapor.



Precautionary Statements: Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flames/hot surfaces. Keep container tightly closed when product is not in use. 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.

Inhalation: Asphalt fumes cause irritation to the mucous membranes of the respiratory tract and may cause nausea, dizziness and headache.

Ingestion: Ingestion is considered unlikely. Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting

Skin contact: Contact with hot asphalt may result in thermal burns of the skin. Prolonged contact at ambient temperatures may result in irritation or inflammation. Allergic skin reactions may occur on occasion and the skin may become sensitized.

Eye contact: Conjunctivitis, irritation, tearing and burns by molten product.

Carcinogenic: No data available.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Material information:

Name	CAS No.	Weight %
Asphalt (at Ambient Temperature)	8052-42-4	50 - 60%
Mineral Spirits (with < 0.1% Benzene)	8052-41-3	40 - 50%
Nonane	111-84-2	0 - 10%
Trimethyl Benzene (mixed Isomers)	25551-13-7	0 - 10%

Section 4. FIRST AID MEASURES

- Inhalation:** Move to fresh air in case of accidental inhalation of vapors. If continued difficulty with breathing is experienced, get medical attention immediately.
- Skin contact:** Wash thoroughly with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. In the case of skin irritation or allergic reactions see a physician.
- Ingestion:** Not an expected route of exposure. If swallowed, do not induce vomiting. Get medical attention immediately.
- Eye contact:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- General advice:** Contains petroleum distillate. Harmful or fatal if swallowed. Vapor harmful. May affect the brain or central nervous system causing dizziness, headache, or nausea. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

Section 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Dry chemical. Carbon dioxide (CO₂). Sand. Use foam or water FOG as a last resort.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

Specific hazards: No information is available.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

	NFPA rating:	HMIS rating:
Health:	2	2
Flammability:	2	2
Instability/reactivity:	0	0
Other:	N/A	N/A



Hazardous
FP - above 100° F
Stable
N/A

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	No action should be taken involving any personal risk or without suitable training. Use personal protective equipment as required. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).
Large Spill:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering sewers, drains, or waterways. Local authorities should be advised if significant spillages cannot be contained.
Methods for Containment and Clean up	Contain spillage with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite. Pick up the absorbed material (described just above) and transfer to properly labeled containers for disposal according to local and/or national regulations.

Section 7. HANDLING AND STORAGE

Handling:	Use personal protective equipment as required. Remove all sources of ignition. Use only outdoors. All equipment used when handling the product must be grounded.
Storage:	Keep containers tightly closed in a cool, dry, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition. Use spark-proof tools and explosion-proof equipment.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Name	ACGIH® TLV®	OSHA PEL	NIOSH IDLH
Asphalt (at Ambient Temperature) 8052-42-4	TWA: 0.5 mg/m ³ benzene soluble aerosol fume, inhalable fraction	-	Ceiling: 5 mg/m ³ fume 15 min
Mineral Spirits (with < 0.1% Benzene) 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m ³	IDLH: 20000 mg/m ³ Ceiling: 1800 mg/m ³ 15 min TWA: 350 mg/m ³
Nonane 111-84-2	TWA: 200 ppm	(vacated) TWA: 200 ppm (vacated) TWA: 1050 mg/m ³	TWA: 200 ppm TWA: 1050 mg/m ³
Trimethyl Benzene (mixed Isomers) 25551-13-7	TWA: 25 ppm	(vacated) TWA: 25 ppm (vacated) TWA: 125 mg/m ³	-

Note: Most OSHA exposure limits shown above are 1989 PEL's vacated by the U.S. Court of Appeals. These are included as guideline information. Enforceable limits may be less stringent or are not established.

Engineering measures: Use natural cross ventilation, local (mechanical) pick-up, and/or general area mechanical cross ventilation. Ventilation pattern should be designed to prevent accumulation of solvent vapors. Ventilation must be sufficient to maintain solvent vapor concentrations below the TWA limits outlined above.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respiratory protection should be worn.

Skin and body protection: Wear protective gloves and protective clothing that is resistant to chemical penetration.

Eye protection:	Glasses, goggles or full face shield. Do not wear contacts lenses.
Hygiene measures:	Avoid repeated or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove contaminated clothing and launder before reuse.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Black viscous fluid
Physical state (solid/liquid/gas):	Liquid
Substance type (pure/mixture):	Mixture
Color:	Black
Odor:	Petroleum
Molecular weight:	Not Available
pH:	Not applicable
Boiling point/range (5-95%):	350° (177°C)
Melting point/range:	Not Available
Decomposition temperature:	Not Available
Specific gravity:	0.91 (H ₂ O = 1)
Vapor density:	>3(AIR = 1)
Vapor pressure:	2.6 mm Hg
Evaporation rate (Butyl acetate= 1):	<1
Flash point, method used:	105°F (40.5°C) ASTM D-92
Water solubility:	<0.1%
VOC Content:	<340 grams/liter
Auto-ignition temperature:	473°F (245°C)
Flammable limits in air — lower (%):	0.7
Flammable limits in air — upper (%):	6.0

Note: Asphalt is a native mixture of hydrocarbons which occurs as an amorphous, brownish-black solid or semi-solid. Asphalt results from evaporation of the lighter hydrocarbons from petroleum and partial oxidation of the residue. Petroleum asphalt, thus, should be differentiated from tar or pitch, which results from the destructive distillation of coal.

Section 10. STABILITY AND REACTIVITY

Reactivity:	No data available
Stability:	Stable under recommended storage conditions.
Possibly hazardous reactions:	No data available
Conditions to avoid:	Avoid static discharge. Avoid heat, sparks, and open flame.
Incompatible Materials:	Strong acids. Strong oxidizing agents.
Hazardous decomposition products:	Combustion may produce carbon monoxide, carbon dioxide, and other asphyxiants.
Polymerization:	Will not occur.

Section 11. TOXICOLOGICAL INFORMATION

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Asphalt (at Ambient Temperature) 8052-42-4	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Nonane 111-84-2	-	-	= 3200 ppm (Rat) 4 h
Trimethyl Benzene (mixed Isomers) 25551-13-7	= 8970 mg/kg (Rat)	-	-

Chronic toxicity: Unknown except those secondary to inhalation, ingestion or skin contact.

Sensitization: May cause sensitization of susceptible persons.

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity effects: 98.684% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence

Degradability: No data available

Section 13. DISPOSAL CONSIDERATIONS

Cleanup considerations: Disposal should be in accordance with applicable local, regional, national and international laws and regulations.

Section 14. TRANSPORT INFORMATION

According to DOT regulations, this product is only considered hazardous when being transported in (a) container(s) whose volume(s) exceed(s) one hundred nineteen (119) gallons (450 liters).

For Containers Exceeding 119 Gallons:

Hazmat Description & Proper Shipping Name: Flammable liquid, (Petroleum distillates)

ID Number: NA

Hazard Class: 3

Packing Group: PG III

Section 15. REGULATORY INFORMATION

International Inventories

TSCA All of the components of this product are listed on the US TSCA (Toxic Substances Control Act) Inventory or are exempt.

DSL/NDL All of the components of this product are listed on the DSL.

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).

This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

This product contains the following substances regulated by various State Right-to-Know regulations.

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Asphalt (at Ambient Temperature) 8052-42-4	X	X	X
Mineral Spirits (with < 0.1% Benzene) 8052-41-3	X	X	X
Nonane 111-84-2	X	X	X
Trimethyl Benzene (mixed Isomers) 25551-13-7	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

Section 16. OTHER INFORMATION

The information and recommendations contained herein are based upon tests, data, and information resources believed to be reliable. However, the J.C. Whitlam Manufacturing Company, Inc., and its related operations or divisions (Whitlam) do not guarantee the accuracy or completeness, nor shall any of this information constitute a warranty, whether expressed or implied, as to the safety of goods, the merchantability of the goods or the fitness of the goods for a particular purpose. Adjustment to conform to actual conditions of usage may be required. Whitlam assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of this data. No warranty against infringement of any patent, copyright or trademark is made or implied.