

Asphaltite WD

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 09/25/2017 Supersedes Date: none Version: 1.0



Section 1: Identification

Product Identifier

Product Form: Substance

Product Name: Asphaltite WD

CAS No: 12002-43-6

Formula: C₂₈H₁₆Cl₈O₈

Synonyms: Asphaltite, gilsonite; Bitumens, gilsonite; Mineral rubber; Rubber, mineral



Intended Use of the Product

Drilling aid - Filtration Control Agent

Name, Address, and Telephone of the Responsible Party

Manufacturer: Asphaltum S.A.

Address: Diagonal Alberdi Norte 2633 Piso 9, B760oGYI – Ciudad Mar del Plata, Buenos Aires, Argentina

Telephone: +54 223 496 1505

Email: info@asphaltumsa.com

Emergency Telephone Number

Emergency number: North America - 800-424-9300 International & Maritime - 703-527-3887 For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

Section 2: Hazards Identification

Classification of the Substance or Mixture

Classification (GHS-US)

Comb. Dust

Label Elements

GHS-US Labeling

Signal Word (GHS-US): Warning

Hazard Statements (GHS-US): May form combustible dust concentrations in air

Other Hazards

Other Hazards Not Contributing to the Classification:

Other Hazards: As with most solid particulate organic materials and some inorganic materials, high concentrations of dusts from this product suspended in air in the presence of other dusts, are an explosion hazard in the presence of sparks, flames, and heat. Do not allow dust to accumulate on equipment and surfaces where this product is used. In the National Fire Protection Association (NFPA) Code 499, a “combustible dust” is any finely divided solid material 420 microns or less in diameter that presents a fire or explosion hazard when dispersed in air.

Unknown Acute Toxicity (GHS-US) Not available

Section 3: Composition / Information on Ingredients

Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
Asphaltite	(CAS No) 12002-43-6	>90	Comb. Dust
Surfactant Blend 2,2,4-Trimethyl-1,3- Pentenediol Monoisobutyrate	Proprietary CAS No. (CAS No) 25265-77-4	<5% <3%	Eye Irritant Eye and Skin Irritant

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Polypropylene Glycol (CAS No) 25322-69-4 <3% Non-Hazardous

Section 4: First Aid Measures

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air.

Skin Contact: Rinse with plenty of water.

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion: Rinse mouth. Do not induce vomiting.

Most Important Symptoms and Effects Both Acute and Delayed

General: Not expected to present a significant hazard under anticipated conditions of normal use.

Inhalation: Prolonged inhalation of dust may cause respiratory irritation.

Skin Contact: Dust may cause irritation in skin folds or by contact in combination with tight clothing.

Eye Contact: Dust from this product may cause minor eye irritation.

Ingestion: None under normal use.

Chronic Symptoms: Not available

Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.



Section 5: Fire-fighting Measures

Extinguishing Media

Suitable Extinguishing Media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable Extinguishing Media: Do not use a heavy water stream.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Combustible Dust. Dust explosion hazard in air. Supports combustion at high temperatures. Under conditions of fire this material may produce: Carbon dioxide. Carbon monoxide. Nitrogen oxides.

Explosion Hazard: Avoid dust clouds in combination with static electricity. Dust clouds can be explosive.

Reactivity: Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive.

Advice for Firefighters

Precautionary Measures Fire: Do not breathe fumes from fires or vapors from decomposition.

Firefighting Instructions: Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Not available

Reference to Other Sections

Refer to section 9 for flammability properties.

Section 6: Accidental Release measures

Personal Precautions, Protective Equipment and Emergency Procedures

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General Measures: Avoid generating dust. Handle in accordance with good industrial hygiene and safety practice. Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation.



For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

Methods for Cleaning Up: Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up. Avoid generation of dust during clean-up of spills.

Reference to Other Sections

See Heading 8. Exposure controls and personal protection.

Section 7: Handling and Storage

Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Keep only in the original container in a cool, well ventilated place away from : Heat sources.
Keep container closed when not in use. Protect from moisture.

Incompatible Materials: Strong bases. Strong acids.

Specific End Use(s)

Drilling aid - Filtration Control Agent

Section 8: Exposure Controls / Personal Protection

Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

Exposure Controls

Appropriate Engineering Controls: Provide adequate ventilation to minimize dust concentrations. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed.

Personal Protective Equipment: Dust formation: dust mask. Gloves. Protective goggles.



Materials for Protective Clothing: Not available

Hand Protection: Wear protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Not available

Respiratory Protection: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of vapor or mist are expected to exceed exposure limits.

Other Information: When using, do not eat, drink or smoke.



Section 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State:	Solid
Appearance:	Black, Powder
Odor:	Characteristic
Odor Threshold:	Not available
pH:	6 - 8 (1% by weight in water)
Relative Evaporation Rate (butylacetate=1):	Not available
Melting Point:	> 220 °C (> 430°F)
Freezing Point:	Not available
Boiling Point:	Not available
Flash Point:	315 °C (599°F)
Auto-ignition Temperature:	Not available
Decomposition Temperature:	Not available
Flammability (solid, gas):	Not available
Lower Flammable Limit:	Not available
Upper Flammable Limit:	Not available
Vapor Pressure:	Not available
Relative Vapor Density at 20 °C:	Not available
Relative Density:	Not available
Specific Gravity:	1.05 - 1.20
Solubility:	Soluble in oils/fats. Water: < 1 %, Water Dispersible
Partition coefficient: n-octanol/water:	Not available
Viscosity:	Not available
Explosion Data – Sensitivity to Mechanical Impact:	Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge:	Static discharge could act as an ignition source.

Section 10: Stability and Reactivity

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Reactivity: Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Avoid formation of dust. Sparks, heat, open flame and other sources of ignition. Protect from moisture.

Incompatible Materials: Avoid strong oxidizers.

Hazardous Decomposition Products: Under fire conditions this material may produce hazardous carbon dioxide (CO₂), carbon monoxide (CO), various low molecular weight hydrocarbons, and smoke. Nitrogen oxides.



Section 11: Toxicological Information

Information on Toxicological Effects - Product

Acute Toxicity: Not Classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Not classified

pH: 6 - 8 (1% by weight in water)

Serious Eye Damage/Irritation: Not classified

pH: 6 - 8 (1% by weight in water)

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Teratogenicity: Not available

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged inhalation of dust may cause respiratory irritation.

Symptoms/Injuries After Skin Contact: Dust may cause irritation in skin folds or by contact in combination with tight clothing.

Symptoms/Injuries After Eye Contact: Dust from this product may cause minor eye irritation.

Symptoms/Injuries After Ingestion: None under normal use.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data: Not available

Section 12: Ecological Information

Toxicity Not classified

Chemical Name	Toxicity to Algae	Toxicity to Fish	Daphnia Magna (water Flea)
2,2,4-Trimethylpentane-1,3-Diol monoisobutyrate 25265-77-4	72h EC50 = 18.4 mg/L (Pseudokirchneriella subcapitata)	96h LC50 = 30 mg/L (Pimephales promelas)	96h LC50 = >95 mg/L

Persistence and Degradability

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Persistence and Degradability: Not established.

Bioaccumulative Potential

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monoisobutyrate Log Pow =3.47

25265-77-4



Mobility in Soil Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

Section 13: Disposal Considerations

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

Section 14: Transportation Information

14.1 In Accordance with DOT Not regulated for transport

14.2 In Accordance with IMDG Not regulated for transport

14.3 In Accordance with IATA Not regulated for transport

14.4 In Accordance with TDG Not regulated for transport

Section 15: Regulatory Information

US Federal Regulations

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EPA TSCA Regulatory Flag This product is a naturally occurring material as defined by 40 CFR 710.4(b) therefore is exempt from listing as per 40 CFR §711.6.a(3).

US State Regulations

Neither this product nor its chemical components appear on any US state lists.

Canadian Regulations

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WHMIS Classification Uncontrolled product according to WHMIS classification criteria

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

Section 16: Other Information, Including Date of Preparation or Last Revision

Revision date: 09/25/2017

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Comb. Dust Combustible Dust

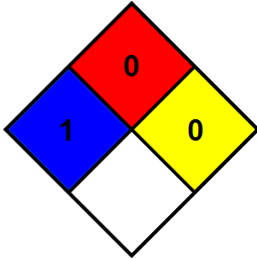
May form combustible dust concentrations in air

NFPA Health Hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

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NFPA Fire Hazard: 0 - Materials that will not burn.
NFPA Reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Party Responsible for the Preparation of This Document

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