Safety Data Sheet

Martrex, Inc.

Section 1: Chemical Product and Company Information

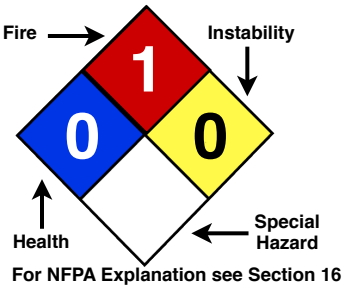
Product name: Gilsonite
Supplier/ Further Information: **Martrex, Inc.**

1107 Hazeltine Blvd,
Suite 535 MD 27,
Chaska, Minnesota 55318

Phone: 952/933-5000
Toll Free: 800/328-3627
FAX: 952/933-1889

Web: www.martrexinc.com

EPA Registration Number: n/a
CAS#: 012002-43-6
EINECS#: 310-127-6
Chemical Name: Gilsonite
Synonyms: Natural asphalt, Uintaite
Chemical Family:
MSDS Number: n/a



For NFPA Explanation see Section 16

24 Hour Emergency Phone - Chemtrec Transport: 1-800-424-9300; Medical: 1-800-441-3637

Section 2: Hazards Identification

Emergency Overview

Dusts are subject to combustion. May cause eye, skin and respiratory tract irritation.
Avoid contact with eyes, skin and clothing. Avoid breathing airborne product.
Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

Note: Although Gilsonite is not a carcinogen, processes in which Gilsonite is brought to very high temperatures may alter its complex hydrocarbon structure and may produce carcinogenic substances.

GHS Classification:
Not a hazardous substance under Global Harmonized System.

NFPA Ratings: Health: **0** Flammability: **1** Reactivity: **0**
EU-SVHC: no
EU-directive 67/547 EU: In accordance with the EU-directive 67/547 EU this product should be considered as a substance and is not hazardous.

Potential Health Effects:
Primary Routes of Exposure / Entry: Inhalation (breathing), eye contact, skin contact. (Ingestion is unlikely)
Target Organs: The substance may cause eye, skin and respiratory irritation, due to abrasion.
Acute Exposure Symptoms: None. Health injuries are not known or expected under normal use.
Eye Effects: Irritation
Skin Effects: Irritation
Inhalation: Irritation
Ingestion: Irritation
Chronic Data: Health injuries are not known or expected under normal use.
Chronic Effects:
May cause Lung Damage when inhaled in concentrations above OSHA exposure limits.
Chronic Toxicity Studies:
no data
Medical Conditions Aggravated By Long-Term Exposure:
Respiratory conditions: such as asthma emphysema

Section 3: Composition/Information on Ingredients

Non Hazardous Components	CAS(A)/EINECS (B)	%	OSHA PEL	OSHA STEL	OSHA CEIL
Hydrocarbon-black solid	012002-43-6(A) 310-127-6 (B)	100%	5mg/m^3	10mg/m^3	no data

OTHER LIMITS	RTECS#	ACGIH TLV	ACGIH STEL	ACGIH CEIL
See Section 15	no data	no data	no data	no data

Section 4: First Aid Measures

Inhalation: Remove to fresh air. Obtain medical attention if breathing difficulty persists.
Eye Exposure: Flush with lukewarm water for 15 minutes. Remove contact lenses. Get medical attention.
Skin Exposure: Not expected to require first aid measures. Remove contaminated clothing and shoes. Wash skin thoroughly with mild soap and water. Get medical attention if discomfort continues.
Ingestion: Though not expected to be a primary route of exposure, if ingestion occurs, dilute with 2-3 glasses of water or milk if conscious. Do NOT induce vomiting unless directed to do so by a physician. If subject is unconscious do not give anything by mouth nor induce vomiting. Consult a physician.
NOTE TO THE PHYSICIAN: Treat symptomatically and supportively.

Section 5: Fire Fighting Measures

Flammability Classification: Dusts are subject to combustion
NFPA Ratings: Health: 0 Flammability: 1 Reactivity: 0
Flash Point (COC): 315ºC
Auto-ignition Temperature: no data
Lower explosion limit (LEL): no data
Upper explosion limit (UEL): no data
Extinguishing Media: CO_2. Dry chemical foam. Water fog.
Unusual Fire and Explosive Hazards: no data
Hazardous Decomposition Materials: Carbon dioxide. Nitrogen oxides. Carbon monoxide.
Fire-Fighting Instructions: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.
Personal Protective Equipment: Wear suitable protective clothing. Wear self contained breathing apparatus.

Section 6: Accidental Release Measures

Spill and Leak Procedures: Wear proper protective equipment. See Section 8.
Containment of Spill: Avoid generating dust. Transfer to a closed container for disposal.
Cleanup and Disposal of Spill: Cleanup and Dispose in a safe manner in accordance with local/national/international regulations.
Environmental and Regulatory Reporting: Follow local/national/international regulations.

Section 7: Handling and Storage

Handling: Wear proper protective equipment. See Section 8 Any potential or ignition should be moved prior to pulverizing or other process resulting in dust generation. Avoid raising any powdered material into dust explosion hazard.
Storage: Store in dry area. Incompatible products: Oxidizing agents. Store in accordance with local/national/international regulations.
REGULATORY REQUIREMENTS: See Section 8 for employee exposure controls and Section 15 for other regulatory requirements.

Section 8: Exposure Controls / Personal Protection

Ventilation Protection: Use appropriate engineering controls such as, exhaust ventilation and process enclosure, to reduce air contamination and keep worker exposure below OSHA limits. Any potential for ignition should be moved prior to pulverizing or other process resulting in dust generation.
Exposure Limits: **OSHA PEL:** 5mg/m^3 **OSHA STEL:** 10mg/m^3
Respiratory Protection: Approved dust or mist respirator should be used if airborne particulate is generated when handling this material.
Eye Protection: Wear safety glasses when dust is a problem.
Skin Protection: Wear appropriate clothing, gloves to prevent repeated or prolonged skin contact.
Other Protective Clothing and Equipment: no data
Hygienic Work Practices: Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work. Keep the working area as clean and tidy as possible. Change work clothes daily if there is any possibility of contamination.

Section 9: Physical and Chemical Properties

Chemical Name: Gilsonite
Physical State: Solid
Color and Appearance: black lumps or powder
Odor: None
Odor Threshold: no data
pH (in water)**:** Not applicable
Specific Gravity: no data
Vapor Pressure: no data
Vapor Density: (Air=1): no data
Density: no data
Volatiles by Volume: no data
Boiling Point: Not determined.
A Flash Point (COC): 315ºC
Softening Point: no data
Melting Point: 140 – 205ºC
Evaporation Rate: no data
Solubility in water: no data
Other Solubilities: no data
Chemical Formula: no data
Formula Wt: no data

Section 10: Stability and Reactivity

Chemical Stability: Stable__X__ Unstable____
Hazardous Polymerization: None known
Conditions to Avoid: Hazard of dust explosions. Avoid heat, sparks, open fire and oxidizing conditions.
Chemical Incompatibility: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. Oxides of nitrogen.

Section 11: Toxicological Information

Acute Data: None. Health injuries are not known or expected under normal use.
Eye Effects: Irritation (due to abrasion as with any inert dust).
Skin Effects: Irritation (due to abrasion as with any inert dust).
Oral LD_{50}: No data (Not a likely route of exposure.)
Dermal LD_{50}: no data
Inhalation LC_{50}(rat): no data
Skin Sensitization: no data

Chronic Data: None. Health injuries are not known or expected under normal use.

Chronic Effects:
May cause Lung Damage if inhaled in concentrations above OSHA exposure limits.

Chronic Toxicity Studies: no data

Mutagenicity Data: No data available.

Reproductive and Teratological Data: no data

Carcinogenicity Data: No evidence found.

NTP: no data **OSHA:** no data **IARC Monograph:** no data **Not Listed:**

Section 12: Ecological Information

Eco-acute Toxicity: no data

Environmental Fate: no data

Section 13: Disposal Considerations

Waste Management: This product does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc, may render the resulting materials hazardous. Empty containers retain residues. All labeled precautions must be observed.

Disposal Regulatory Requirements: Dispose in accordance with local/national/international regulations.

Section 14: Transport Information

General Information: Not classified.

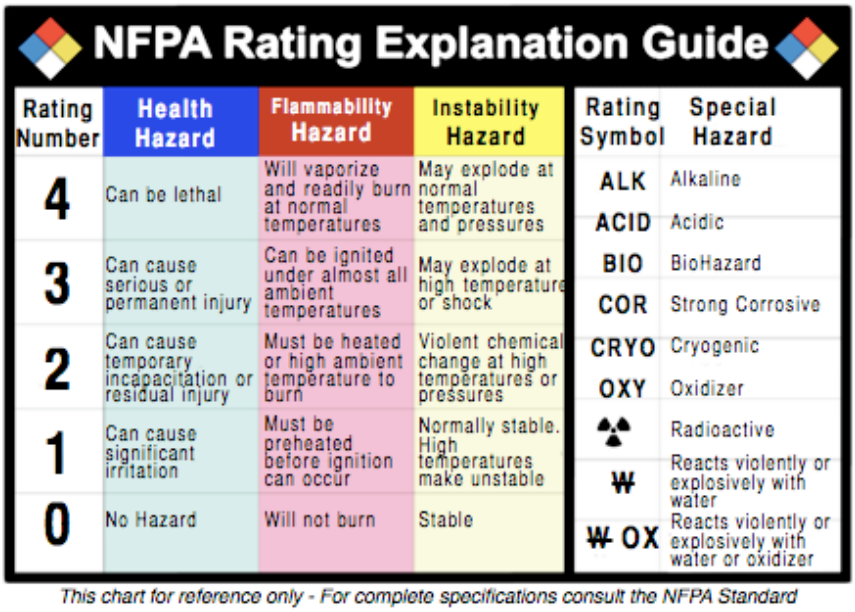
Section 15: Regulatory Information

ECC Labeling: Not classified.
The contents and format of this MSDS are in accordance with EEC Commission Directive 93/112/EEC.

Section 16: Other Information

Acronyms

ACGIH - American Conference of Governmental Industrial Hygienists
ANSI - American National Standards Institute
CAS - Chemical Abstracts Service
CERCLA - Comprehensive Environmental Response, Compensation & Liability Act of 1980
CFR - Code of Federal Regulations
CHEMTREC - Chemical Transportation Emergency Center
CPR - Controlled Products Regulations
CWC - Chemical Weapons Convention
DOT - U.S. Department of Transportation
DSL - Canadian Domestic Substance List



This chart for reference only - For complete specifications consult the NFPA Standard

24 Hour Emergency Phone - Chemtrec: 1-800-424-9300 Transportation
1-800-441-3637 Medical

EHS - Extremely Hazardous Substance
EINECS- European Inventory of Existing Commercial Chemical Substances
EPA - U.S. Environmental Protection Agency
HMIS - Hazardous Material Identification System
IARC - International Agency for Research on Cancer
LEL/UEL - Lower and Upper Explosive Limit
mg/m³ - Milligrams per cubic meter
NAERG - North American Emergency Response Guidebook
NIOSH - National Institute of Occupational Safety and Health
NFPA - National Fire Protection Association
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PEL - Permissible Exposure Limit (set by OSHA)
PPE - Personal Protective Equipment
RCRA - Resource Conservation and Recovery Act of 1976
SARA - Superfund Amendments and Reauthorization Act
SDS - Safety Data Sheet
STEL - Concentration to which workers can be exposed continuously for a **short** period of time without suffering from irritation, irreversible tissue damage or narcosis of sufficient degree to increase the likelihood of accidental injury, impair self-rescue or materially reduce work efficiency.
SVHC: Substance of very high concern
TDG (Canadian)**:** Transport of Dangerous Goods Regulations
TLV - Threshold Limit Value (set by ACGIH)
TWA - 8-hour Time Weighted Average
TSCA - US Toxic Substance Control Act
WHMIS - Workplace Hazardous Material Information System

GHS Pictograms and Hazards

Health Hazard  • Carcinogen • Mutagenicity • Reproductive Toxicity • Respiratory Sensitizer • Target Organ Toxicity • Aspiration Toxicity	**Flame**  • Flammables • Pyrophorics • Self-Heating • Emits Flammable Gas • Self-Reactives • Organic Peroxides	**Exclamation Mark**  • Irritant (skin and eye) • Skin Sensitizer • Acute Toxicity (harmful) • Narcotic Effects • Respiratory Tract Irritant • Hazardous to Ozone Layer (Non-Mandatory)
Gas Cylinder  • Gases Under Pressure	**Corrosion**  • Skin Corrosion/ Burns • Eye Damage • Corrosive to Metals	**Exploding Bomb**  • Explosives • Self-Reactives • Organic Peroxides
Flame Over Circle  • Oxidizers	**Environment** **(Non-Mandatory)**  • Aquatic Toxicity	**Skull and Crossbones**  • Acute Toxicity (fatal or toxic)

SDS Issue Date: no data
Revised Date: 4-15-2015
Supersedes: 4-15-2009