

Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200 and Canadian Hazardous Protection Act and Controlled Products Regulation. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)




Section I - Producer and Product Identification

IDENTITY (As Used on Label and List) IRON SPONGE (Label) Also known as IRON SPONGE, NOT SPENT INTENDED USE: H ₂ S Removal from Gas	NOTE: Blank spaces are not permitted. If an item is not applicable or information unavailable, the space must be so marked.
Manufacturer's Name MV TECHNOLOGIES, LLC	Emergency Telephone Number (303) 277 - 1625
Address (Number, Street, City, State, and ZIP Code) 751 PINE RIDGE ROAD GOLDEN, CO 80403	Telephone Number for Information (303) 277 - 1625

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name)	
IRON OXIDE CAS #1309-37-1	(15-40%)
SODIUM CARBONATE (SODA ASH) CAS #497-19-8	(1-5%)
CALCIUM CARBONATE; LIMESTONE CAS #1317-65-3	(1-5%)

 Skin Irritant

PRODUCT CLASSIFICATION: NON-HAZARDOUS, NO U.N. NUMBER NEEDED
SHIPPING CLASS: 50

Section III - Composition

Wood	20-30%
Iron Oxide	25-35%
Sodium Carbonate	2-4%
Calcium Carbonate	1-2%
Water	35-45%

Section IV - First Aid Measures

Eye Contact: Flush with water - get medical attention
Skin Contact: Wash with water as soon as possible.
Inhalation: Remove to fresh air.
Ingestion: Drink large amounts of water. DO NOT INDUCE VOMITTING! GET MEDICAL ATTENTION

Section V - Fire and Explosion Hazard Data

Flash Point (Method Used) Non-Flammable unless water is removed	Flammable Limits	LEL	UEL
Extinguishing Media Water, Sand, Dry Chemical, Universal Type Foam			
Special Fire Fighting Procedures None			
Unusual Fire and Explosion Hazards None			

Section VI - Cleanup Measures

Steps to Be Taken in Case Material is Released or Spilled

If the material is spilled, normal clean up procedures may be used.

Clean up personnel should be wearing the proper protective equipment.

This includes gloves and nuisance dust protection.

Waste Disposal Method

Sanitary landfill, following Federal, State, and Local guidelines.

Other Precautions

Not Applicable

Section VII - Precautions for Safe Handling

Precautions to Be Taken In Handling and Storing

Do not allow the material to dry out, as it will hinder performance and may cause a particulate dust problem.

Section VIII - Exposure Controls/Personal Protection

Hazardous Components

(Specific Chemical Identity; Common Name)	OSHA PEL	ACGIH	Canada TWA/ELV
IRON OXIDE CAS #1309-37-1 (15-40%)	10mg/m ³	5mg/m ³	5mg/m ³

SODIUM CARBONATE CAS #497-19-8 (1-5%) No TLV Established

CALCIUM CARBONATE; LIMESTONE (1-5%)	15mg/m ³ TTL	10mg/m ³	10mg/m ³ TTL
CAS #1317-65-3	5mg/m ³ Resp		

PRODUCT CLASSIFICATION: NON-HAZARDOUS, NO U.N. NUMBER NEEDED

SHIPPING CLASS: 50

Protective Gloves

Non-absorbent safety gloves

Eye Protection

OSHA approved glasses/goggles

Other Protective Clothing or Equipment

Clothing that exposes as little skin as possible to the IRON SPONGE

Work/Hygenic Practices

Keep dusting to a minimum.

Section IX - Physical and Chemical Properties

Boiling Point	Water	212°F	Specific Gravity (H ₂ O = 1)	0.7-0.9
Vapor Pressure (mm Hg)		N/A	Melting Point	N/A
Vapor Density (AIR = 1)		N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water

Insoluble

Appearance and Odor

Moist Brown Wood Chips with Wood Odor

Section X - Stability and Reactivity

Stability	Unstable:		Conditions to Avoid: Do Not Allow to Dry Out
	Stable:	X	

Incompatibility (Materials to Avoid)

Strong acids and strong bases.

Hazardous	May Occur		Conditions to Avoid:
Polymerization	Will Not Occur	X	

Section XI - Toxicological Information

Route(s) of Entry	Inhalation? Yes	Skin? Yes	Ingestion? Yes (not likely)
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Health Hazards (Acute and Chronic)

Inhalation, ingestion may irritate nose, mouth, throat, lungs, and stomach.
Product may irritate or burn eyes and cause skin irritation after prolonged contact.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated
NO INFORMATION AVAILABLE			

Signs and Symptoms of Exposure

Contact may cause eye or skin irritation. *Inhalation* may cause nose, mouth, throat, and/or lung irritation.
Ingestion may cause mouth, throat, and/or stomach irritation.

Medical Conditions Generally Aggravated by Exposure

Any skin, eye, mucous membrane, or respiratory diseases sensitive to particulate dust.

Section XII - Ecological Information

LC50	>750 mg/l
LD50	Information unavailable.

Section XIII - Disposal Information

Iron Sponge has passed TCLP and STLC testing and is safe for landfill disposal.

Section XIV - Transport Information

Iron Sponge is Non-Hazardous shipping class 50

Section XV - Regulatory Information

Toxic Substance Control Act Information

IRON CAS #1309-37-1	XU (exempt)
SODIUM CARBONATE CAS #497-19-8	Not Listed
CALCIUM CARBONATE; LIMESTONE CAS #1317-65-3	Not Listed (This is pure calcium carbonate, not natural limestone)

Toxics Release Inventory

IRON CAS #1309-37-1	Not Listed
SODIUM CARBONATE CAS #497-19-8	Not Listed
CALCIUM CARBONATE; LIMESTONE CAS #1317-65-3	Not Listed (This is pure calcium carbonate, not natural limestone)

Section XVI - Other Information

Date REVISED	<u>10/1/2015</u>
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Signature of Preparer (optional)