

Safety data sheet

According to 1907/2006/EC (REACH), 1272/2008/EC (CLP),
and US GHS





Printing date: 27.06.2018

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	Product Identifier	Sulfur Cake
	GHS Product Identifier	Sulfur Cake
	Chemical Name	Mixture (Sulfur/Water/Ash Products)
	Trade Name	See Product Identifier
	CAS No.	Not available
	EINECS No.	Not available
	REACH Registration No.	Not available
1.2	Relevant Identified Uses Of The Substance Or Mixture And Uses Advised Against	
	No further relevant information available.	
	Application of the substance / the mixture:	Agricultural chemicals
1.3	Details Of The Supplier Of The Safety Data Sheet	
	Company Identification	Washington Mills Electro Minerals Corp.
	Address	1801 Buffalo Avenue Niagara Falls, NY 14302
	Telephone	(716) 278-6600
	E-Mail (Competent Person)	info@washingtonmills.com
1.4	Emergency Telephone Number – ChemTel	
	(800)255-3924 (USA/Canada), 813-248-0585 (International)	

SECTION 2: HAZARDS IDENTIFICATION

2.1	Classification Of The Substance Or Mixture		
2.1.1	Classification according to Regulation (EC) No. 1272/2008		
	Hazard Pictogram(s)		
	Skin Irrit. 2	H315 Causes skin irritation.	
2.2	Label Elements		
2.2.1	Labelling according to Regulation (EC) No 1272/2008		
	The substance is classified and labelled according to the CLP regulation.		
	Hazard Pictogram(s)	 GHS07	Signal Word(s) WARNING
	Hazard Statement(s)	H315 Causes skin irritation.	
	Precautionary Statement(s)	P280 Wear protective gloves / eye protection. P264 Wash thoroughly after handling. P332+P313 If skin irritation occurs: Get medical advice/attention. P302+P352 IF ON SKIN: Wash with plenty of water.	
	Hazard description:		
	NFPA ratings (scale 0 - 4)		Health = 1 Fire = 1 Reactivity = 0
	HMIS-ratings (scale 0 - 4)		Health = 1 Fire = 1 Reactivity = 0
	HMIS Long Term Health Hazard Substances	None of the ingredients are listed.	
2.3	Other Hazards		
	Results of PBT and vPvB assessment	PBT: Not applicable. vPvB: Not applicable.	

Safety data sheet

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and US GHS

Revision: 27.06.2018


Sulfur Cake (See Page 1)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous Components:

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	Index No.	Hazard Pictogram(s)	Hazard Statement(s)
sulfur	50-100	7704-34-9	231-722-6	016-094-00-1		Skin Irrit. 2, H315

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General Information: No special measures required.

After Inhalation: Supply fresh air; consult doctor in case of complaints.

After Skin Contact: Brush off loose particles from skin. Immediately wash with water and soap and rinse thoroughly. If skin irritation is experienced, consult a doctor.

After Eye Contact: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After Swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

4.2 Most Important

Symptoms And Irritant to skin and mucous membranes.

Effects, Both Acute Slight irritant effect on eyes.

And Delayed Gastric or intestinal disorders when ingested.

Hazards

No further relevant information available.

4.3 Indication Of The

Immediate Medical

Attention And Special

Treatment Needed

No further relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Agents Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable Extinguishing Agents None.

5.2 Special Hazards Arising From The Substance Or Mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for Fire-Fighters

Wear self-contained respiratory protective device. Wear fully protective suit.

Additional Information

No further relevant information available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment And Emergency Procedures

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. For large spills, use respiratory protective device against the effects of fumes/dust/aerosol. Avoid formation of dust.

6.2 Environmental Precautions

No special measures required.

6.3 Methods And Material For

Pick up mechanically. Ensure adequate ventilation. Dispose

Safety data sheet

Printing date: 27.06.2018

According to 1907/2006/EC (REACH), 1272/2008/EC (CLP),
and US GHS

Revision: 27.06.2018

Sulfur Cake (See Page 1)

6.4	Containment And Cleaning Up	contaminated material as waste according to item 13. Send for recovery or disposal in suitable receptacles.
	Reference To Other Sections	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1	Precautions For Safe Handling	Prevent formation of dust. Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water. Any unavoidable deposit of dust must be regularly removed. Use only in well ventilated areas.
	Information About Fire – and explosion protection	No special measures required.
7.2	Conditions For Safe Storage, Including Any Incompatibilities: Requirements to be Met by Storerooms and Receptacles:	Store in a cool location. Avoid storage near extreme heat, ignition sources or open flame.
	Information About Storage in One Common Storage Facility:	Store away from foodstuffs. Store away from oxidizers, strong acids, strong bases.
	Further information about storage conditions:	None.
7.3	Specific End Use(s)	No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control Parameters




Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs No further relevant information available.

PNECs No further relevant information available.

Additional information: The lists valid during the making were used as basis.

8.2	Exposure Controls	
8.2.2	Personal Protective Equipment:	
	General protective and hygienic measures:	The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale dust / smoke / mist. Avoid contact with the eyes and skin.
	Respiratory Protection	If hydrogen sulfide or sulfur dioxide are present, a NIOSH approved respirator shall be used. Refer to 29CFR1910.134 or European Standard EN 149 for regulations. For bulk quantities handling SCBA apparatus must be worn at all times. A suitable vapor respirator may be worn when handling smaller sample quantities.
	Eye Protection	Safety glasses.
	Protection of Hands	Wear protective gloves.
	Body Protection	Protective work clothing.
	Limitation and	No further relevant information available.

Safety data sheet

Printing date: 27.06.2018

According to 1907/2006/EC (REACH), 1272/2008/EC (CLP),
and US GHS

Revision: 27.06.2018

Sulfur Cake (See Page 1)

	supervision of exposure into the environment	
	Risk Management Measures	See Section 7 for additional information. No further relevant information available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information On Basic Physical And Chemical Properties			
Appearance	Solid	Color	Grey/Black	
Odor	Not available	Odor Threshold (ppm)	Not available	
Melting Point (°C) / Freezing Point (°C)	Not available	Boiling Point/Boiling Range (°C)	Not available	
Flash Point (°C)	No Data	Explosive Limit Ranges	Not available	
Auto Ignition Temperature (°C)	Not available	Decomposition Temperature (°C)	Not available	
Explosive Properties	None	Oxidizing Properties	Not available	
Flammability (Solid, Gas)	Not available	Ph (Value)	Not available	
Evaporation Rate	N/A	Vapor Pressure (mm Hg)	Not available	
Vapor Density (Air=1)	N/A	Density (g/ml)	Not available	
Solubility (Water)	Insoluble	Solubility (Other)	Not available	
Partition Coefficient (N-Octanol/Water)	Not available	Viscosity (mPa.s)	Not available	
9.2	Other Information No further relevant information available.			

SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	
10.2	Chemical Stability	
	Thermal Decomposition / conditions to be avoided:	No decomposition if used and stored according to specifications. To avoid thermal decomposition do not overheat.
10.3	Possibility of Hazardous Reactions	Reacts with strong acids and alkali. Reacts with strong oxidising agents. Toxic fumes may be released if heated above the decomposition point.
10.4	Conditions To Avoid	Excessive heat. Store away from oxidising agents.
10.5	Incompatible Materials	No further relevant information available.
10.6	Hazardous Decomposition Product(s)	Sulphur oxides (SOx) Hydrogen sulphide

SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on Toxicological Effects			
	Acute toxicity:			
	Substance	CAS No.	LD₅₀ (Oral, Rat)	LC₅₀ (Inhalation, Rat)
	Sulfur	7704-34-9	2000 mg/kg	No data
				LD₅₀ (Dermal, Rat)
				No data
	Primary Irritant Effect:			
	On the skin:	Irritant to skin and mucous membranes.		
	On the eye:	Slight irritant effect on eyes.		
	Sensitisation:	No sensitizing effects known.		
	Additional toxicological information:	The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant		

Safety data sheet

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According to 1907/2006/EC (REACH), 1272/2008/EC (CLP),
and US GHS

Revision: 27.06.2018

Sulfur Cake (See Page 1)

Acute effects (acute toxicity, irritation, and corrosivity):

Irritating if inhaled, causing symptoms of coughing and shortness of breath. May be harmful if swallowed.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	
Aquatic toxicity:	No further relevant information available.
12.2 Persistence and Degradability	No further relevant information available.
12.3 Bioaccumulative Potential	No further relevant information available.
12.4 Mobility in Soil	No further relevant information available.
Additional ecological information:	
General notes:	Not known to be hazardous to water.
12.5 Results of PBT and vPvB Assessment	PBT: Not applicable. vPvB: Not applicable.
12.6 Other Adverse Effects	No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods Recommendation	Contact waste processors for recycling information. Smaller quantities can be disposed of with household waste. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.
Uncleaned Packaging: Recommendation:	Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

Land Transport (ADR/RID) (c)(d)		Land Transport (Within USA) (b)(d)	
UN Number	None	UN Number	None
Proper Shipping Name	Not classified as dangerous for transport.	Proper Shipping Name	Not classified as dangerous for transport.
Transport Hazard Class(es)	None	Transport Hazard Class(es)	None
Packing Group	None	Packing Group	None
Hazard Label(s)	None	Hazard Label(s)	None
Environmental Hazards	None	Environmental Hazards	None
Special Precautions For User	None	Special Precautions For User	None
Sea Transport (IMDG) (c)		Air Transport (ICAO/IATA) (c) (d)	
UN Number	None	UN Number	None
Proper Shipping Name	Not classified as dangerous for transport.	Proper Shipping Name	Not classified as dangerous for transport.
Transport Hazard Class(es)	None	Transport Hazard Class(es)	None
Packing Group	None	Packing Group	None
Marine Pollutant	None	Marine Pollutant	None
Special Precautions For User	None	Special Precautions For User	None

(b)- ORM-D may be applicable within the USA for package sizes less than 30kg.

(c)- Consult with transport provider.

(d)- Check relevant regulations for Special Provisions.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

Safety data sheet

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According to 1907/2006/EC (REACH), 1272/2008/EC (CLP),
and US GHS

Revision: 27.06.2018

Sulfur Cake (See Page 1)

15.1 Safety, Health And Environmental Regulations/Legislation Specific For The Substance Or Mixture

USA

SARA

Section 355 (extremely hazardous substances) None of the ingredients are listed.

SARA 313 (Specific toxic chemical listings) None of the ingredients are listed.

TSCA (Toxic Substance Control Act) All ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

Carcinogenic Categories

EPA (Environmental Protection Agency) None of the ingredients are listed.

IARC (International Agency for Research on Cancer) None of the ingredients are listed.

TLV (Threshold Limit Value established by ACGIH) None of the ingredients are listed.

MAK (German Maximum Workplace Concentration) None of the ingredients are listed.

NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients are listed.

Canada

Canadian Domestic Substances List (DSL) All ingredients are listed.

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57 None of the ingredients are listed.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Additional information:

- The accumulation of airborne dust particles may lead to health and safety risks in some cases. The use of good industrial practices will mitigate this risk.
- The health risks from inhalation of dust particles vary; this is due to particle concentration, exposure length, number of exposures and type of particles inhaled. Please read Section 2,4,6,7 and 8 of the SDS to understand these potential risks. Wear personal protective equipment and follow storage and handling procedures to maintain a safe workplace.
- In rare instances, combustible dusts may represent a potential explosion hazard when airborne. This hazard is often associated with organic dust such as foodstuffs and coal, but may also occur with mineral products. While the majority of our products would be considered non-combustible, the overall airborne environment should be considered when determining the need for mitigation from the potential hazard. Consult recognized experts when necessary in order to determine any possible hazard.

Please read the SDS for specific information concerning these hazards, and contact us with any further questions. We appreciate your continued business.

Relevant phrases

Safety data sheet

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According to 1907/2006/EC (REACH), 1272/2008/EC (CLP),
and US GHS

Revision: 27.06.2018

Sulfur Cake (See Page 1)

H315 Causes skin irritation.

R38 Irritating to skin.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Sources

SDS Prepared by:

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