

(Material) Safety Data Sheet

Redine Water Proof Chalkline Compound

June 2015

Section 1 Product Description

Product Name: Water Proof Chalkline Compound

Synonyms: Magnetite & Limestone

Trade Name: Redline Water Proof Chalkline Compound

Recommended Use: Construction layout lines and pour lines

Distributor: Blackline Manufacturing and Marketing Ltd

P.O. Box 1348 Aldergrove B.C. V4W 2V1, Canada

Tel (60-4) 312-6007 Fax 1-866-708-2392

Section 2 Hazard Identification

Classification of the chemical in accordance with paragraph (d) of 1910.1200:

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness

GHS Classification Skin Irrit, 2

Eye Irrit. 2B

Skin Corrosion/Irritation Category 2, Serious eye damage/Eye irritation Category 2A, Specific Target Organ Systemic Toxicity (STOT)

Single exposure Category 3

Section 3 Composition / Information of Ingredients

Chemical Name	CAS #	%
Iron (lill) Oxide Red	1309-37-1	50%
Calcium Carbonate	1317=65-3	49.9%
Crystalline Silica Quartz (impurity)	14808-60-7	0.1%

Section 4 First Aid Measures

Emergency and First Aid Procedures

Inhalation: In case of accident by inhalation remove casualty to fresh air and keep at rest

Eyes: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Skin Contact: After contact with skin, wash immediately with plenty of water

Ingestion: If swallowed, do not induce vomiting; seek medical advice immediately and show container or label

Section 5 Firefighting Procedures

Extinguishing Media: Use media suitable to extinguish surrounding fire. Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

Fire Fighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self contained breathing apparatus

Fire and Explosive Hazards: None Known

Hazardous Combustion Products Metal Oxide, Calcium Carbonate

Section 6 Spill or Leak Procedures

Steps to take in case material is spilled

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendation found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including: the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Avoid the generation of dust during clean-up. Avoid breathing material. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending waste disposal evaluation. Vacuum or sweep up material in a disposal container.

Section 7 Handling and storage

Handling: Avoid creating and inhaling dust. Do not ingest or take internally

Storage: Suitable for and general chemical storage.

Storage Code: Green – general chemical storage

Section 8 Protection Information

	ACGIH	OSHA PEL
Chemical Name	(TWA) (STEL)	(TWA) (STEL)
No Date Available	N/A N/A	10 mg/m3 TWA N/A (fume) 15 mg/m3

Control Parameters

Engineering Measures: No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

Personal Protective Equipment (PPE): Lab coat, eye wash, safety shower

Respiratory Protection: No respiratory protection required under normal conditions of use. Administrative control is another means to ensure operator exposure is below the time weighted average exposure limit(s).

Eye Protection: Wear chemical splash goggles when handling this product. Have an eye wash station available.

Skin Protection: Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Where use can result in skin contact, practice good personal hygiene.

Gloves: Natural rubber, Neoprene, PVC or equivalent

Section 9	Physical Data
Formula: Fe3O4	Vapor Pressure: N/A
Molecular Weight: 231.55	Evaporation Rate (BiAc=1) N/A
Appearance: Powder	Vapor Density: (Air=1): N/A
Odor: No Data Available	Specific Gravity: N/A
Odor Threshold: No Data Available	Solubility in Water: Practically insoluble
pH: No Data Available	Log Pow (Calculated): No Data Available
Melting Point: No Data Available	Autoignition Temperature: No Data Available
Flash Point: No Data Available	Viscosity: No Data Available
Flammable Limits in Air: N/A	Percent Volatile by Volume: N/A

Section 10	Reactivity Data
Reactivity:	No Data Available
Chemical Stability:	Stable under normal conditions
Conditions to Avoid:	None Known
Incompatible Materials:	Strong Acids, Peroxides, Chlorofomates
Hazardous Polymerization:	Will not occur

Section 11		Toxicity Data		
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Routes of Entry Inhalation and ingestion

Symptoms (Acute) Respiratory disorders

Delayed Effects: No Data Available

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
	1309-37-1	Not Determined	Not Determined	Not Determined

Carcinogenicity	CAS Number	IARC	NTP	OSHA
No Data Available	1309-37-1	NOT LISTED	NOT LISTED	NOT LISTED

This product is not considered a carcinogen. This product contain <0.1% crystalline silica, which is below the threshold for NTP, OSHA, Group 1 carcinogen by IARC, A2 by ACGIN

No Data Available	1317-61-9	NOT LISTED	NOT LISTED	NOT LISTED
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	13176-65-3	NOT LISTED	NOT LISTED	NOT LISTED
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CRONIC EFFECTS:

MUTAGENICITY: NO EVIDENCE OF MUTAGENIC EFFECT

TERATOGENICITY: NO EVIDENCE OF A TERATOGENIC EFFECT (BIRTH DEFECT)

SENSITIZATION: NO EVIDENCE OF A SENSITIZATION EFFECT.

REPRODUCTIVE: NO EFFIDENCE OF A NEGATIVE REPRODICE EFFECTS

Targe Organ Effects:

Acute See Section 2

Chronic: Not listed as a carcinogen by IARC, NTP or OSHA

Section 12		Ecological Date	
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Overview; This material is not expected to be harmful to the ecology.

Mobility: No Data

Persistence: No Data

Bioaccumulation: No Data

Degradability: No Data

Other Adverse Effects: No Data

Chemical Name	CAS Number	Eco Toxicity
	1307-37-1	

Section 13 Disposal Information

Disposal Methods: Dispose in accordance with all applicable Federal, State and local regulation. Always contact a permitted waste disposer (TSD) to assure compliance

Waste Disposal Code(s) Not Determined

Section 14 Transport Information

Ground – DOT Proper Shipping Name: Air – IATA Proper Shipping Name:

Not Regulated for Transport Not regulate for air transport by IATA

Section 15 Regulatory Information

TSCA Status All components in this product are on the TSCA Inventory

Chemical Name	CAS Number	313 Name	304 RQ	Cercla RQ	CAA 112(2)TQ
No Data Available	1309-37-1	No	No	No	No
Limestone	1317-65-3				
Crystalline Silica, as quartz impurity	14808-60-7				

SARA Title iii, Sections 301,304.311,312,313, CERCLA RQ: This product is not subject to these reference SARA and CERCLA regulation.

Clean Water Act: The components of this product are not regulated under any of the following section of the Clean Water Act (Section 307 Priority Pollutants or Section 311 Hazardous Substances). It would be regulated under Section 304 Water Quality Criteria Substances for suspended solids.

Clean Air Act: The components of this product are not regulated under any or the following section (Section 112 Hazardous Air Pollutants, Section 112 Statutory Air Pollutants, Section 112 High Risk Pollutants, Section 112® Accidental Release Prevention Substances or Section 602 Ozone Depleting Substances. As a powder product, it is regulated under Section 109 Criteria Pollutant particulates..

States Right-to-Know (RTK)

California Proposition 65: This product is not know to contain a chemical at a level that is expect to pose significant risk under anticipated use condition

CONEG: The heavy metals defined in CONEG are not intentionally introduced to this product and with respect to heavy metals, lead and arsenic, are less than 100 ppm.

Canada

WHIMIS: This product has been classified in accordance with the hazard criteria of the Controlled Product Regulation and the MSDS contains all the

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The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Blackline makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

ACGIH	American conference of Governmental Industrial Hygienists
NTP	National Toxicology Program
ASHA	Occupational Safety and Health Administration
CAS	Chemical Abstract Service Number
PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transport
SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer
TLV	Threshold Limit Value
N/A	Not Available
TSCA	Toxic Substances Control Act
IDLH	Immediately dangerous to life and health