



**Metallurgical Limestone – February 2, 2018**  
**SAFETY DATA SHEET**

<b>SECTION 1</b>	<b>IDENTIFICATION</b>
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Product

Name: Metallurgical Limestone – All Sizes

Other Names: Metgrade Limestone; Magnesium Carbonate/ Calcium Carbonate Mixture

Recommended Uses: Steel; pH adjustment; FGT; Construction; Agriculture; Aggregate

Company Identification:

US Operations:

Lhoist North America, Inc.  
5600 Clearfork Main St, Ste. 300  
Fort Worth, TX 76109  
817-732-8164

Canadian Operations:

Lhoist North America of Canada, Inc.  
20303-102B Ave.  
Langley, BC V1M 3H1  
604-888-4333

Emergency Phone Number:

Chemtrec 1-800-424-9300

<b>SECTION 2</b>	<b>HAZARDS(S) IDENTIFICATION</b>
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Classification

Carcinogen – Category 1

Specific Target Organ Toxicity Single Exposure – Category 3  
(Respiratory System)

Specific Target Organ Toxicity Repeat Exposure – Category 1  
(Respiratory System)

Labeling:

Pictograms:



Signal Word(s): Danger

Hazard Statements: May cause respiratory irritation.

Causes damage to lungs through prolonged or repeated exposure when inhaled.

May cause cancer through inhalation



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### Precautionary Statements:

Wash exposed skin thoroughly after handling. Do not breathe dust. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product.

If exposed or concerned: Get medical advice

Dispose of contents or containers in accordance with applicable regulations.

Other Hazards: None.

SECTION 3	COMPOSITION/ INFORMATION ON INGREDIENTS
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Chemical Name: Metallurgical Limestone

Common names and synonyms: Metgrade Limestone; Magnesium Carbonate/ Calcium Carbonate Mixture

Chemical Identity	CAS #	Concentration, % Wt.
Dolomite	16389-88-1	10 - 90
Limestone	1317-65-3	5 - 85
Crystalline Silica	14808-60-7	< 3

SECTION 4	FIRST AID MEASURES
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Inhalation: Move victim to fresh air. Seek medical attention if necessary.

Ingestion: Do not induce vomiting. Seek medical attention immediately. Never give anything by mouth unless instructed to do so by medical personnel.

Most important symptoms and effects, both acute and delayed: This product contains crystalline silica, which has been classified by IARC as (Group I) carcinogenic to humans when inhaled. Inhalation of silica can also cause a chronic lung disorder, silicosis.

Note to Physician: Provide general supportive measures and treat symptomatically.

**SECTION 5****FIREFIGHTING MEASURES****Extinguishing Media**

Appropriate Extinguishing Media: Use dry chemical fire extinguisher or water

Inappropriate Extinguishing Media: Do not use halogenated compounds.

**Firefighting**

Fire Hazards: Metallurgical Limestone is not combustible or flammable. Metallurgical Limestone is not considered to be an explosive hazard, although reaction with incompatible materials may rupture containers.

Hazardous Combustion Products: None

Special Protective Equipment and Fire Fighting Instructions: None

**SECTION 6****ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Use proper protective equipment.

Environmental Precautions: For large spills, as much as possible, avoid the generation of dusts. Prevent release to sewers or waterways.

**Methods and Materials for Containment and Cleaning Up:**

Small Spills: Use dry methods to collect spilled materials. Avoid generating dust. Do not clean up with compressed air. Residue on surfaces may be washed with water or dilute vinegar.

Large Spills: Use dry methods to collect spilled materials. Evacuate area downwind of clean-up operations to minimize dust exposure.

**SECTION 7****HANDLING AND STORAGE**

Precautions for Safe Handling: None

Conditions for Safe Storage, Including any Incompatibilities: Do not store near incompatible materials (see Section 10 below).



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SECTION 8	EXPOSURE CONTROLS/ PERSONAL PROTECTION
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Control Parameters:

Component	CAS #	Exposure Limits
Dolomite	16389-88-1	OSHA PEL: 15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable) ACGIH TLV: 10 mg/m <sup>3</sup>
Limestone	1317-65-3	OSHA PEL: 15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable) ACGIH TLV: 10 mg/m <sup>3</sup>
Crystalline Silica	14808-60-7	OSHA PEL: 0.050 mg/m <sup>3</sup> as an 8 hr. TWA (respirable) ACGIH TLV: 0.025 mg/m <sup>3</sup> (respirable)

Appropriate Engineering Controls: Provide ventilation adequate to maintain PELs.

### Personal Protection

Respiratory Protection: Use NIOSH approved respirators if airborne concentration exceeds PEL.

Eye Protection: Use safety glasses with side shields or safety goggles.

Skin Protection: Clothing should fully cover arms and legs.

Other: Eye wash fountain and emergency showers are recommended.

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
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### Appearance

Physical State: Solid

Color: White, grayish-white, red or pink

Odor: Odorless

Odor Threshold: N/ A

pH: 8-9 @ 25° C

Melting Point: N/ A

Initial Boiling Point: N/A

Freezing Point: N/ A

Flash Point: N/ A



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Evaporation Rate: N/ A

Flammability (solid, gas): Non-flammable

Explosion Limits: N/ A

Vapor Pressure: N/ A

Vapor Density: N/ A

Relative Density: 2.6 – 2.9 g/ cm<sup>3</sup> (apparent)

Solubility(ies): Not readily soluble in water

Partition coefficient: Relatively insoluble

Auto-ignition Temperature: N/ A

Decomposition Temperature: 730 ° C

Viscosity: N/A

<b>SECTION 10</b>	<b>STABILITY AND REACTIVITY</b>
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Reactivity: Normally stable. Will react with chemicals listed under incompatible materials below.

Chemical Stability: Metallurgical Limestone is chemically stable.

Possibility of Hazardous Reactions: See reactivity above

Conditions to Avoid: Do not allow Metallurgical Limestone to come into contact with incompatible materials.

Incompatible Materials: Metallurgical Limestone should not be mixed or stored with the following materials, due to the potential for violent reaction and release of heat:

- Acids (unless in a controlled process)
- Reactive Fluoridated Compounds
- Reactive Brominated Compounds
- Reactive Powdered Metals
- Ammonium Salts

Hazardous Decomposition Products: None

<b>SECTION 11</b>	<b>TOXICOLOGICAL INFORMATION</b>
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Health Effects: see First Aid discussion in Section 4

Routes of Exposure: see First Aid discussion in Section 4



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Symptoms Related to Exposure: see First Aid discussion in Section 4

Carcinogen Listing: Metallurgical Limestone is not listed by MSHA, OSHA, or IARC as a carcinogen, but this product contains crystalline silica, which has been classified by IARC as (Group I) carcinogenic to humans when inhaled.

<b>SECTION 12</b>	<b>ECOLOGICAL INFORMATION</b>
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Ecotoxicity: None Expected

Persistence and Degradability: N/A

Bioaccumulation Potential: This material shows no bioaccumulation effect or food chain concentration toxicity.

Mobility in Soil: Minimal mobility in soil.

Other Adverse Effects: N/A

<b>SECTION 13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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Disposal Recommendations: Dispose of in accordance with all applicable federal, state, and local environmental regulations.

Regulatory Disposal Information: If this product as supplied, and unmixed, becomes a waste, it will not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act.

<b>SECTION 14</b>	<b>TRANSPORT INFORMATION</b>
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UN Number: Not Regulated

UN Proper Shipping Name: Not Regulated

Transport Hazard Class(es): Not Regulated

Packing Group: Not Regulated

Marine Pollutant (y/n): No

Special Precautions: None

<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b>
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National Chemical Inventory Listings:

All chemical ingredients are listed on the USEPA TSCA Inventory List.

US Regulations:

RCRA Hazardous Waste Number: not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261): not classified

CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001;

CWA, Sec. 311 (b) (4); CWA, Sec. 307(a), CAA, Sec. 112



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CERCLA Reportable Quantity (RQ) not listed.

SARA 311/312 Codes: not listed.

SARA Toxic Chemical (40 CFR 372.65): not listed.

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ): not listed

Specific State Regulations **⚠️WARNING:** This product can expose you to chemicals, including crystalline silica, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

These naturally occurring impurities may also be regulated by other States.

Canadian DSL: Listed

Canadian NPRI: None of the components are listed

CEPA Toxic Substances: None of the components are listed

SECTION 16	OTHER INFORMATION
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Prepared By: Lhoist North America Technical Services

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Abbreviations:

N/A	Not Available or Not Applicable
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
	ACGIH American Conference of Governmental
ACGIH	Industrial Hygienists
TWA	Time Weighted Average
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
REL	Recommended Exposure Limit

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