

#### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

##### 1.1 Product identifier

**Product Name:** Crushed Aggregate Product  
**Codes(s):** Rock Kit  
**Synonyms:** Aggregate mixture  
**REACH Registration Number:** No data available

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**General Use:** Aggregate for coatings  
**Uses advised against:** No uses advised against

##### 1.3 Details of the supplier and of the safety data sheet

**Manufacturer/Distributor**  
 Endurmo  
 12110 Ellington Ct.  
 Cincinnati, Ohio 45249  
 1-331-214-1655

##### 1.4 Emergency telephone numbers: CHEMTREC +1-800-424-9300; +1-703-527-3887 Outside the USA

#### SECTION 2 - HAZARDS IDENTIFICATION

##### 2.1 Classification of substance or mixture

**Product definition:** Mixture  
**Classification (Regulation (EC) No 1272/2008)**  
 None allocated

##### 2.2 Label Elements

**Labeling (Regulation (EC) No 1272/2008)**  
**Hazard Symbols:** None allocated  
**Signal Word:** None allocated  
**Hazard Statement(s):** None allocated

#### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

##### 3.1 Substances

% by Weight	Ingredient	CAS Number	EC Number	Index Number	EC Classification
>50	Ground Limestone	1317-65-3	215-279-3	-----	-----
>20	Crystalline Silica, Quartz	14808-60-7	238-878-4	-----	-----

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to the health or the environment and hence require reporting in this section.

##### 3.2 Mixtures

Not applicable

#### SECTION 4 - FIRST AID MEASURES

##### 4.1 Description of first aid measures

**Inhalation:** If product dust causes respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. If symptoms persist, seek medical attention immediately.

**Eyes:** Immediately flush eyes with large amounts of water for 15 minutes. Remove contact lenses, if present and easy to do, after the first 5 minutes and continue rinsing, occasionally lifting the upper and lower eyelids. Obtain immediate medical attention, preferably from an ophthalmologist.

**Skin:** Flush skin with water while removing contaminated clothing and continue rinsing for at least 15 minutes to ensure dust removal. Wash contaminated clothing and shoes thoroughly before reuse. If irritation occurs or persists, seek medical attention.

**Ingestion:** Rinse mouth with water. Remove dentures if any. Rinse mouth thoroughly with water if the victim is conscious. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

##### 4.2 Most important symptoms and effects, both acute and delayed

###### Potential health symptoms and effects

**Eyes:** Dust may cause eye irritation. Symptoms may include redness, swelling, irritation and tearing. Particulates can cause mechanical irritation and abrasion of the cornea.

**Skin:** May cause skin irritation. Low hazard for normal industrial handling.

**Inhalation:** Inhalation of dust or particulates causes irritation of the nose, throat and respiratory system.

**Ingestion:** No hazard expected in normal industrial use.

**Chronic:** Persons with pre-existing skin disorders, eye problems or impaired respiratory function may be more susceptible to the effects of this substance.

## SECTION 5 - FIRE FIGHTING MEASURES

### 5.1 Extinguishable media

**Suitable methods of extinction:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable methods of extinction:** None known

### 5.2 Special hazards arising from the substance or mixture

Closed containers may explode due to the build-up of pressure when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**Explosion hazards:** High dust concentration may present an explosion hazard.

### 5.3 Advice for firefighters

Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. Firefighters should control run-off water to prevent environmental contamination.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust generation and accumulation. Do not inhale dust. Keep upwind of spill. Ventilate the area. Wear appropriate protective clothing and a dust mask as designated in Section 8. Spill may present a slip hazard.

### 6.2 Environmental precautions

None known

### 6.3 Methods and materials for containment and cleaning up

Sweep up, vacuum or shovel material and place into containers for reclaiming or disposal.

### 6.4 Reference to other sections

Refer to Section 13 for waste disposal considerations.

## SECTION 7 - HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Wear all appropriate personal protective equipment specified in Section 8. Do not get in eyes or on skin or clothing. Do not breathe dust. If normal use of material presents a respiratory hazard, use only adequate ventilation or wear an appropriate respirator. Wash contaminated clothing and shoes before reuse.

#### Advice on protection against fire and explosion

None known

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, cool and well-ventilated area. Keep away from incompatible materials (see Section 10.5), food and drink. Keep container tightly closed. Protect container against physical damage. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Containers of this material may be hazardous when empty since they retain product residues. Ventilate closed areas. Do not take internally. Keep out of reach of children.

### 7.3 Specific end uses

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

CAS Number	Ingredient	OSHA PEL	ACGIH TLV	NIOSH
1317-65-3	Crushed Limestone	5 mg/m <sup>3</sup> Resp.; 15 mg/m <sup>3</sup> Total	-----	5 mg/m <sup>3</sup> Resp.; 10 mg/m <sup>3</sup> Total
14808-60-7	Crystalline Silica, Quartz	10 mg/m <sup>3</sup> Resp.	0.025 mg/m <sup>3</sup> Resp.	0.05 mg/m <sup>3</sup> Resp.

Unless otherwise noted, all PEL and TLV values are reported for 8 hour time weighted averages (TWA).

### 8.2 Exposure controls

**Engineering Measures:** Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Use adequate ventilation. Local exhaust is preferable. Refer to Section 7.1.

**Individual protection measures:** Wear protective clothing to prevent repeated or prolonged contact with product. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the representative supplier.

**Hygiene measures:** Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after use, before eating, drinking or using the lavatory.

**Eye/face protection:** Wear protective goggles or safety glasses with unperforated side shields during use. Refer to 29 CFR 1910.133, ANSI Z87.1 or European Standard EN 166.

**Hand Protection:** Wear gloves recommended by glove supplier for protection against materials in Section 3. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period.

**Other protective equipment:** Protective clothing. Protective boots, if the situation requires.

**Respiratory Protection:** Wear an approved filter type dust respirator when handling this product. Where risk assessment shows air-purifying respirators are appropriate use a full-faced respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

NOTE: This product contains materials classified as nuisance particulates which may be present at hazardous levels during handling and pouring, on sanding to remove coatings or accidental release (spillage). If no specific dusts are listed in Section 8, the applicable limits for unknown nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

**Environmental exposure controls:** Do not empty into drains.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	White powder, aggregate mixture
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	No data available
<b>Molecular Weight</b>	Not applicable
<b>Chemical Formula</b>	Not applicable
<b>pH</b>	9 - 10
<b>Freezing/Melting Point, Range</b>	No data available
<b>Initial Boiling Point</b>	Not applicable
<b>Evaporation Rate</b>	Not applicable
<b>Flammability (solid, gas)</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Autoignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	Not applicable
<b>Lower Explosive Limit (LEL)</b>	Not applicable
<b>Upper Explosive Limit (UEL)</b>	Not applicable
<b>Vapor Pressure</b>	Not applicable
<b>Vapor Density</b>	Not applicable
<b>Specific Gravity</b>	No data available
<b>Viscosity</b>	Not applicable
<b>Solubility in Water</b>	Negligible
<b>Partition Coefficient: n-octanol/water</b>	Not applicable
<b>Volatiles by Volume @ 70 °F</b>	0%

### 9.2 Other data

No data available

## SECTION 10 - STABILITY AND REACTIVITY

### 10.1 Reactivity

No special reactivity has been reported under normal use.

### 10.2 Chemical stability

Stable

### 10.3 Possibility of hazardous reactions

None known

Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

Avoid dust generation. Avoid contact with incompatible materials.

### 10.5 Incompatible materials

Acids

### 10.6 Hazardous decomposition products

None known

## SECTION 11 - TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute Oral Toxicity

Non-toxic

#### Acute inhalation toxicity

No data available

#### Acute dermal toxicity

Non-toxic

#### Skin irritation

May cause mild skin irritation

#### Eye irritation

Causes eye irritation. Particulates can cause corneal abrasion.

**Sensitization**

No data available

**Genotoxicity**

No data available

**Specific organ toxicity - single exposure**

No data available

**Specific organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**11.2 Further information****Carcinogenic Effects**

Crystalline silica (quartz) is considered a hazard by inhalation and there may be a relationship between silicosis and certain cancers.

IARC: Group 1 - Carcinogenic to humans; Monograph No. 68 [1997]; listed under Crystalline Silica inhaled in the form of quartz or cristobalite from occupational sources. ACGIH: A2 - Suspected human carcinogen; NTP - Known carcinogen (select carcinogen); NIOSH: Potential occupational carcinogen.

The remaining components in this product are not listed as carcinogens by ACGIH, IARC, NTP or OSHA. No data is available regarding the mutagenicity and/or teratogenicity of this product, nor is there any available data that indicates it causes adverse developmental and/or fertility effects.

Handle in accordance with good industrial hygiene and safety practice.

**SECTION 12 - ECOLOGICAL INFORMATION****12.1 Toxicity**

This product is non-toxic to aquatic life.

**12.2 Persistence and degradability**

Biologically not degradable.

**12.3 Bioaccumulation potential**

Not expected to bioconcentrate

**12.4 Mobility in soil**

Insoluble in water

**12.5 Results of PBT and vPvB assessment**

No data available

**12.6 Other adverse effects****Additional ecological information**

Do not allow material to run into surface waters, wastewater or soil.

**SECTION 13 - DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

**Methods of disposal:** The generation of waste should be avoided or minimized whenever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**Hazardous waste:** The classification of this product may meet the criteria for a hazardous waste.

**SECTION 14 - TRANSPORT INFORMATION**

**Note:** Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

NOT REGULATED FOR TRANSPORT

Not a marine pollutant

**SECTION 15 - REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for substance or mixture****U. S. Federal Regulations**

**OSHA Hazard Communication Standard:** This material is classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

**TSCA Status:** All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory.

**Superfund Amendments and Reauthorization Act (SARA)**

**SARA Section 311/312 Hazard Categories:** None

**SARA 313 Information:** None of the chemicals in this product are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to Know Act of 1986.

**SARA 302/304 Extremely Hazardous Substance:** No components of the product are subject to the reporting requirements of these sections of Title III of SARA.

**SARA 302/304 Emergency Planning & Notification:** No components of the product are subject to the reporting requirements of these sections of Title III of SARA.

**Comprehensive Response Compensation and Liability Act (CERCLA):** This product contains no CERCLA reportable substances.

**Clean Air Act (CAA)**

This product does not contain any substances that listed as Hazardous Air Pollutants (HAPs) designated in CAA Section 112 (b).  
 This product does not contain any Class 1 Ozone depletors.  
 This product does not contain any Class 2 Ozone depletors.

**Clean Water Act (CWA)**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.  
 None of the chemicals in this product are listed as Priority Pollutants under the CWA.  
 None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**U.S. State Regulations**

**California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:** Contains crystalline silica (reportable as airborne particles of respirable size) which is listed on Prop 65. May contain trace quantities of 1,4-dioxane, formaldehyde and methanol.

**Other U.S. State Inventories:**

Crystalline silica, Quartz (CAS #14808-60-7) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: ID, MA, NJ, PA, WA.  
 Limestone (Calcium Carbonate) (CAS #1317-65-3) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: MA, NJ, PA, WA.

**Canada**

**WHMIS Hazard Symbol and Classification:** Not a controlled substance

**Canadian Controlled Products Regulations (CPR):** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations, and the MSDS contains all the information required by the Controlled Products Regulations.

**Canadian National Pollutant Release Inventory (NPRI):** No component of this product is listed on the NPRI.

**Canadian Ingredient Disclosure List (IDL):** Crystalline Silica, Quartz (CAS #14808-60-7) is listed on the IDL.

**European Economic Community**

**Labeling (67/548/EEC to 1999/45/EC):** Not regulated

**Risk Phrases:** None allocated

**Safety Phrases:** None allocated

**WGK, Germany (Water danger/protection):** nwg

**Global Chemical Inventory Lists**

Country	Inventory Name	Inventory Listing*
Canada:	Domestic Substance List (DSL)	Yes
Canada:	Non-Domestic Substance List (NDSL)	No
Europe:	Inventory of New and Existing Chemicals (EINECS)	Yes
United States:	Toxic Substance Control Act (TSCA)	Yes
Australia:	Australian Inventory of Chemical Substances (AICS)	Yes
New Zealand:	New Zealand Inventory of Chemicals (NZIoC)	Yes
China:	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Japan:	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea:	Existing Chemicals List (ECL)	Yes
Philippines:	Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Yes

\*"Yes" indicates that all components of this product are in compliance with the inventory requirements administered by the governing country.

\*\*"No" indicates that one or more components of this product are not on the inventory and are not exempt from listing.

**15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out.

**SECTION 16 - OTHER INFORMATION**

**Hazardous Material Information System (HMIS)**

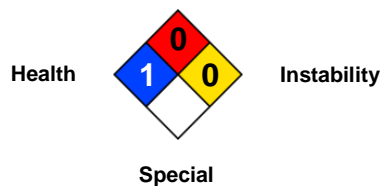
Health	*
Flammability	0
Physical Hazard	0
Personal Protection	F

**HMIS & NFPA Hazard Rating Legend**

\* = Chronic Health Hazard      2 = MODERATE  
 0 = INSIGNIFICANT              3 = HIGH  
 1 = SLIGHT                        4 = EXTREME

**National Fire Protection Association (NFPA)**

**Flammability**



The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

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