



HUBER ENGINEERED MATERIALS

# Safety Data Sheet

## HuberPure™ 16-40 NSF

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03  
Canadian Workplace Hazardous Material Information System (WHMIS) 2015  
Mexico NOM-018-STPS-2000; NOM-018-STPS-2015  
Globally Harmonized System (GHS)

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product Name:** HuberPure™ 16-40 NSF  
**Pure substance/mixture** Substance

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

**Recommended Use** Water treatment.

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

**Company:** Huber Carbonates, LLC  
3100 Cumberland Boulevard, Suite 600  
Atlanta, GA 30339 USA

Tel: +1 678 247-7300

**Internet** [www.hubermaterials.com](http://www.hubermaterials.com)

**E-mail** [hubermaterials@huber.com](mailto:hubermaterials@huber.com)

**1.4. Emergency telephone number** CHEMTREC: +1 800 424 9300 or International +1 703 527 3887

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**OSHA Regulatory Status** Carcinogenicity category 1A  
Specific target organ toxicity (STOT) - repeated exposure, category 2

**GHS Classification** Carcinogenicity category 1A  
Specific target organ toxicity (STOT) - repeated exposure, category 2

**Physical Hazards** Not classified

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**Health Hazards** Carcinogenicity category 1A  
Specific target organ toxicity (STOT) - repeated exposure, category 2  
Respiratory system

**Environmental Hazard** Not classified

## 2.2. Label elements

### Symbols/Pictograms



**Signal Word** Danger

**Hazard Statements** H350 - May cause cancer  
H373 - May cause damage to organs through prolonged or repeated exposure

### Precautionary Statements

**Prevention** Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Do not breathe dust  
Wear protective gloves/protective clothing/eye protection/face protection

**Response** IF exposed or concerned: Get medical advice/attention

**Storage** Store locked up

**Disposal** Dispose of contents/containers in accordance with local regulations

**Additional Information:** Not applicable.

**Hazards not otherwise classified (HNOC)** None known.

## SECTION 3: Composition/information on ingredients

Pure substance/mixture                      Substance

Chemical Name	CAS Number	TSCA: United States	Canada (DSL)	Mexico	REACH registration number	OSHA Regulatory Status	WHMIS	Weight-%
Limestone	1317-65-3	Y	Y	Y	Exempt	Not classified	H350; H372	97 - 100
Crystalline Silica, quartz (impurity)	14808-60-7	Y	Y	Y	Exempt	Carcinogenicity category 1A Specific target organ toxicity (STOT) - repeated exposure, category 2	H350; H372	0.1 - 0.3

**Legend**

X / Y: Complies - / N: Not Listed Exempt , ,

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General Advice</b>	When in doubt or if symptoms are observed, get medical advice.
<b>Eye Contact</b>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>Skin Contact</b>	Wash with plenty of soap and water.
<b>Ingestion</b>	Rinse mouth thoroughly with water.
<b>Inhalation</b>	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Aspiration hazard</b>	Not an expected route of exposure.
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	Signs and symptoms may include coughing, gasping, choking and difficulty breathing.
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>	IF exposed or concerned: Get medical advice/attention. Treatment should be symptomatic and supportive. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

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**Suitable Extinguishing Media**

Water spray (fog). Foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media**

None known.

**5.2. Special hazards arising from the substance or mixture**

Do not breathe dust.

**5.3. Advice for firefighters****Special protective equipment for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

**Fire-fighting measures**

In case of fire and/or explosion do not breathe fumes.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Keep unauthorized personnel away. Use personal protection recommended in Section 8. Avoid dust formation. Ensure adequate ventilation.

**For non-emergency personnel** Keep unauthorized personnel away.

**For emergency responders** Keep unauthorized personnel away. Use personal protection recommended in Section 8.

**6.2. Environmental precautions** Avoid runoff to waterways and sewers.

**6.3. Methods and material for containment and cleaning up** Large Spill: Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust Small Spill: Vacuum or sweep material and place in a disposal container

**6.4. Reference to other sections** Section 8: Exposure controls and personal protection. See Section 13 for additional waste treatment information.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Avoid exposure - obtain special instructions before use. Ensure adequate ventilation. Do not breathe dust. Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice.

**7.2. Conditions for safe storage,** Keep container tightly closed and dry. Store away from incompatible materials.

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including any incompatibilities

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### Limestone

OSHA	5 mg/m <sup>3</sup> TWA (respirable fraction) 15 mg/m <sup>3</sup> TWA (total dust)
ACGIH	10 mg/m <sup>3</sup> Total Dust, 3 mg/m <sup>3</sup> Respirable Dust
Canada	10 mg/m <sup>3</sup>
Canada - BC TWA	3 mg/m <sup>3</sup> (respirable fraction); 10 mg/m <sup>3</sup> (total dust)

##### Crystalline Silica, quartz (impurity)

OSHA	TWA: 0.05 mg/m <sup>3</sup> OSHA Action level: 0.025 mg/m <sup>3</sup>
ACGIH	TWA: 0.025 mg/m <sup>3</sup> respirable fraction
NIOSH	0.05 mg/m <sup>3</sup> TWA (respirable dust)
Canada	0.025 mg/m <sup>3</sup> TWA (respirable particulate)
Canada - BC TWA	0.025 mg/m <sup>3</sup> TWA (respirable fraction)
Canada - Manitoba - OEL - TWA	0.025 mg/m <sup>3</sup> TWA (respirable fraction)
Canada - Newfoundland & Labrador - OEL - TWA	0.025 mg/m <sup>3</sup> TWA (respirable fraction)
Canada - Nova Scotia - OEL - TWA	0.025 mg/m <sup>3</sup> TWA (respirable fraction)
Canada - Prince Edward Island - OEL - TWA	0.025 mg/m <sup>3</sup> TWA (respirable fraction)
Mexico	0.1 mg/m <sup>3</sup> TWA (respirable fraction)

**Biological Limit Values:** No information available

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

### 8.2. Exposure controls

**Engineering Measures** Provide a good standard of controlled ventilation (10 to 15 air changes per hour).

#### Personal protective equipment

**Eye/Face Protection** Wear safety glasses with side shields (or goggles).

**Skin and Body Protection** Wear suitable protective clothing.

**Hand protection** For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

**Hand Protection** For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

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<b>Respiratory Protection</b>	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
<b>Thermal hazards</b>	None known. Wear suitable protective clothing.
<b>Hygiene Measures</b>	Follow general hygiene considerations recognized as common good workplace practices. The worker should wash daily at the end of each work shift, and prior to eating, drinking, smoking, etc.
<b>Environmental Exposure Controls</b>	Dispose of in accordance with local regulations.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Appearance:**

<b>Physical State</b>	Solid
<b>Color</b>	White
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	No information available
<b>pH:</b>	8.4 - 10.2 5% Water suspension
<b>Melting point / Freezing point</b>	Not applicable
<b>Boiling Point</b>	Not applicable
<b>Flash Point:</b>	Not applicable.
<b>Evaporation Rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper flammability limit:</b>	
<b>Lower flammability limit:</b>	
<b>Vapor Pressure</b>	Not applicable
<b>Vapor Density</b>	Not applicable
<b>Relative Density</b>	2.7 g/cm <sup>3</sup> @ 20°C
<b>Water Solubility</b>	1.3 g/l, 20° C
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient</b>	Not applicable
<b>Autoignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	1292 - 1652 °F (700 - 900 °C)
<b>Viscosity</b>	Not applicable.
<b>Explosive Properties</b>	Not applicable
<b>Oxidizing Properties</b>	Not applicable
<b>VOC Content (%)</b>	Not applicable

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	None
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<b>10.2. Chemical stability</b>	Stable
<b>10.3. Possibility of hazardous reactions</b>	No specific hazard known
<b>10.4. Conditions to avoid</b>	Incompatible materials
<b>10.5. Incompatible materials</b>	Strong acids
<b>10.6. Hazardous decomposition products</b>	None known

## SECTION 11: Toxicological information

**General Information** Users are advised to consider national Occupational Exposure Limits or other equivalent values.

### Information on Likely Routes of Exposure

<b>Inhalation</b>	Extended inhalation at levels above the workplace limit value can cause irreversible damage to the lungs (silicosis)
<b>Skin</b>	Contact with dust can cause mechanical irritation or drying of the skin
<b>Eyes</b>	Avoid contact with eyes Dust contact with the eyes can lead to mechanical irritation
<b>Ingestion</b>	Ingestion is not a likely route of exposure
<b>Aspiration hazard</b>	Not an expected route of exposure.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Contact with dust can cause mechanical irritation or drying of the skin. Dust may cause mechanical irritation to eyes. May cause irritation. Mucous Membrane. respiratory tract.

### 11.1. Information on toxicological effects

#### Limestone

Oral LD50 6450 mg/kg Rat

#### Crystalline Silica, quartz (impurity)

Oral LD50 500 mg/kg Rat Mouse

**ACGIH** Group 2A - Probably Carcinogenic to Humans  
**IARC** Group 1 - Carcinogenic to Humans

**Acute Toxicity** Users are advised to consider national Occupational Exposure Limits or other equivalent values

**Chronic Toxicity** Potential occupational carcinogen.

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<b>Chronic Effects</b>	Extended inhalation at levels above the workplace limit value can cause irreversible damage to the lungs (silicosis).
<b>Respiratory Sensitization</b>	Based on available data, the classification criteria are not met
<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met
<b>Skin Corrosion/Irritation</b>	Based on available data, the classification criteria are not met
<b>Skin Sensitization</b>	Based on available data, the classification criteria are not met
<b>Mutagenicity</b>	Based on available data, the classification criteria are not met
<b>Reproductive Effects</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1).
<b>Target Organ Effects</b>	Respiratory system.
<b>Specific target organ toxicity - Single exposure</b>	No information available.
<b>Specific target organ toxicity - Repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure if inhaled. Lungs.

## SECTION 12: Ecological information

**12.1. Ecotoxicity** Not considered to be harmful to aquatic life.

### Limestone

**WGK Classification (VwVwS) 317:** WGK: nwg

### Crystalline Silica, quartz (impurity)

**WGK Classification (VwVwS) 849:** WGK: nwg

**12.2. Persistence and degradability** Not readily biodegradable.

**12.3. Bioaccumulative potential** None.

**Partition coefficient** Not applicable

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** None.



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**12.5. Results of PBT and vPvB assessment** This substance does not meet the criteria for classification as PBT or vPvB.

**12.6. Other adverse effects** None known

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Disposal Methods</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>Waste codes</b>	Waste codes should be assigned by the user based on the application for which the product was used

#### Limestone

European Waste Catalog 10130414  
WGK Classification (VwVwS) 317: WGK: nwg

#### Crystalline Silica, quartz (impurity)

WGK Classification (VwVwS) 849 WGK: nwg

## SECTION 14: Transport information

### Mode of Transportation (Road, Water, Air, Rail)

<b>TDG -Canada</b>	Not regulated
<b>DOT</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG/IMO</b>	Not regulated
<b>ICAO</b>	Not regulated

**14.1. UN number** None

**14.2. UN proper shipping name** None

**14.3. Transport hazard class(es)** None

**14.4. Packing group** None

**14.5. Environmental hazards** No

**14.6. Special precautions for** Not applicable

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**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
 Not applicable

## SECTION 15: Regulatory information

### Global Inventories

Pure substance/mixture                      Substance

Chemical Name	CAS Number	EC No	REACH registration number	Australia (AICS)	Canada (DSL)	China (IECSC)	Japan	S. Korea (KECL)	Mexico	New Zealand	Philippines (PICCS)	Taiwan	TSCA: United States
Limestone	1317-65-3	215-279-6	Exempt	Y	Y	Y	(1)-122(ENCS)(ISHL)	KE-21996	Y	Y	Y	Y	Y
Crystalline Silica, quartz (impurity)	14808-60-7	238-878-4	Exempt	Y	Y	Y	(1)-548(ENCS)(ISHL)	KE-29983	Y	Y	Y	Y	Y

**Legend**  
 X / Y: Complies - / N: Not Listed Exempt

### US Federal Regulations

#### EPA

##### CERCLA

Limestone  
 CERCLA    Not Listed  
 SARA 311/312 Hazardous Categorization                      Not Listed

Crystalline Silica, quartz (impurity)  
 CERCLA    Not Listed  
 SARA 304    Listed  
 SARA 313    Listed

##### SARA 311/312 Hazardous Categorization

Crystalline Silica, quartz (impurity)  
 Acute Health Hazard                              Yes  
 Chronic Health Hazard                            Yes

**CWA (Clean Water Act)**  
 Not listed

**CAA (Clean Air Act)**  
 Not listed

### U.S. State Right-to-Know Regulations

Chemical Name	CAS Number	California Proposition 65	California CPR	Massachusetts	Minnesota	New Jersey	Pennsylvania
Limestone	1317-65-3			Y	Y		Y

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Crystalline Silica, quartz (impurity)	14808-60-7	Y		Y	Y	Y	Y
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### California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This product can expose you to crystalline silica, which is known to the State of California to cause cancer.

### CANADA

#### WHMIS:

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR

#### Limestone

H350; H372

#### Crystalline Silica, quartz (impurity)

H350; H372

## SECTION 16: Other information

<b>Prepared by</b>	Huber Engineered Materials (HEM) Global Regulatory Affairs regulatory.affairs@huber.com
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<b>Reason for Version</b>	OSHA (Occupational Safety and Health Administration of the US Department of Labor).
<b>Training Advice</b>	Do not handle until all safety precautions have been read and understood.
<b>Abbreviations and acronyms</b>	International Agency for Research on Cancer (IARC) International Air Transport Association (IATA) International Maritime Dangerous Goods (IMDG) International Uniform Chemical Information Database (IUCLID) Workplace Hazardous Materials Information System (WHMIS) status and classification EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification DOT (Department of Transportation) OSHA (Occupational Safety and Health Administration of the US Department of Labor) TWA - Time-Weighted Average Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) The Classification, Labeling and Packaging of Substances and Mixtures (CLP) Regulation (EC 1272/2008) PPE - Personal Protection Equipment NIOSH - National Institute for Occupational Safety and Health TDG (Transport of Dangerous Goods) Canada CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) Reportable Quantity (RQ) (RQ/% in mixture) STEL - Short Term Exposure Limit TLV® - Threshold Limit Value Derived No Effect Level (DNEL) SVHC: Substances of Very High Concern for Authorization: Land transport (ADR/RID) Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ICAO (air) (IMDG) International Maritime Dangerous Goods Positive Pressure Self-Contained Breathing Apparatus (SCBA)

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Predicted No Effect Concentration (PNEC)  
Globally Harmonized System (GHS)

**Disclaimer**

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**End of Safety Data Sheet**