

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • HPA Garnet Abrasive Grains and Powders

Synonyms • Almandine and Pyrope Garnet

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

Relevant identified use(s) • Industrial Abrasives

1.3 Details of the supplier of the safety data sheet

Manufacturer

• Barton International

Six Warren Street Glens Falls, NY 12801

United States www.barton.com info@barton.com

Telephone (General) • (800) 741 7756

Telephone (General) • (518) 798 5462

1.4 Emergency telephone number

Section 2: Hazards Identification

EU/EEC

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010] According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP • Not classifiedDSD/DPD • Not classified

2.2 Label Elements

CLP

Hazard statements • No label element(s) required

DSD/DPD

Risk phrases • No label element(s) required

2.3 Other Hazards

CLP
 According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.

• According to European Directive 1999/45/EC this material is not considered dangerous.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012

• Carcinogenicity 1A - H350

2.2 Label elements

OSHA HCS 2012

DANGER



Hazard statements • May cause cancer. - H350

Precautionary statements

Prevention • Obtain special instructions before use. - P201

Do not handle until all safety precautions have been read and understood. - P202 Wear protective gloves/protective clothing/eye protection/face protection. - P280

Response • IF exposed or concerned: Get medical advice/attention. - P308+P313

Storage/Disposal • Store locked up. - P405

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

2.3 Other hazards

OSHA HCS 2012

• Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS • Other Toxic Effects - D2A

2.2 Label elements

WHMIS



• Other Toxic Effects - D2A

2.3 Other hazards

WHMIS • In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

• Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

Composition						
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments	
Almandine-Ferric Aluminum Silicate	CAS:1302-62-1	94% TO 99.6%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA	
Quartz	CAS:14808-60-7 FEC Number:238-878-4	< 0.65%	NDA	EU DSD/DPD: Self Classified: T; R48/20 EU CLP: Self Classified: STOT RE 1, H372 OSHA HCS 2012: Carc. 1A; STOT RE 1 (Lungs, Inhl)	NDA	
Iron	CAS:7439-89-6 EC Number:231- 096-4	0.01% TO 0.2%	Ingestion/Oral-Rat LD50 • 750 mg/kg	EU DSD/DPD: Self Classified: Xn R22 Xi, R37 Xn R48/20 EU CLP: Self Classified: STOT SE 3: Resp. Irrit., H335; STOT RE 2 (Lungs, Liver), H373; Acute Tox. 4 (oral), H302 OSHA HCS 2012: STOT SE 3: Resp. Irrit.; STOT RE 2 (Lungs, Liver); Acute Tox 4 (oral)	NDA	
Hornblende	CAS :12178-42-6	0.01% TO 0.2%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA	
Feldspars	CAS:68476-25- 5 EC Number:270- 666-7	0.01% TO 0.2%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA	

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

• IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention immediately.

Skin

• In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Wash skin with soap and water.

Eye

• In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion

• Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician All treatments should be based on observed signs and symptoms of distress in the patient.
 Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media

• In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing Media

No data available.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • None

Hazardous Combustion Products

• No data available.

5.3 Advice for firefighters

• Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

• Do not walk through spilled material. Wear appropriate Personal Protective Equipment (PPE)

Emergency Procedures

 As an immediate precautionary measure, isolate spill or leak area for at least 25 meters (75 feet) in all directions.

6.2 Environmental precautions

• Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up

Avoid generating dust.

Measures

Sweep or vacuum up material for disposal or recovery.

6.4 Reference to other sections

 Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 -Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling • No special precautions necessary for normal handling of the material. Use only with adequate ventilation. Do not breathe dust. Wear appropriate personal protective equipment, avoid direct contact.

7.2 Conditions for safe storage, including any incompatibilities

Storage • No special precautions necessary for normal storage of the material. Keep container/package tightly closed and in a well-ventilated place. Store locked up.

7.3 Specific end use(s)

• Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

	Exposure Limits/Guidelines						
	Result	ACGIH	Argentina	Austria	Belgium	Chile	
	TWAs	0.025 mg/m3 TWA (respirable fraction)	0.05 mg/m3 TWA [CMP] (respirable fraction)	Not established	0.1 mg/m3 TWA (alveolar dust)	0.08 mg/m3 TWA LPP (respirable fraction)	
Quartz (14808-60-7)	MAKs	Not established	Not established	0.15 mg/m3 TWA [TMW] (yearly average, valid till 12/31/2013, alveolar dust, respirable fraction)	Not established	Not established	
		Ex	xposure Limits/Gι	uidelines (Con't.)			
	Result	China	Czech Republic	Denmark	Finland	France	
Quartz (14808-60-7)	STELs	2 mg/m3 STEL (10%-50% free SiO2, total dust); 1.4 mg/m3 STEL (50%- 80% free SiO2, total dust); 1 mg/m3 STEL (containing >80% free SiO2, total dust);	Not established	Not established	Not established	Not established	

	Т			1			
		1.4 mg/m3 STEL (10%-50% free SiO2, respirable dust); 0.6 mg/m3 STEL (50%- 80% free SiO2, respirable dust); 0.4 mg/m3 STEL (containing >80% free SiO2, respirable dust)					
	TWAs	0.7 mg/m3 TWA (containing 50-80% free SiO2, total dust); 0.3 mg/m3 TWA (containing 50-80% free SiO2, respirable dust); 1 mg/m3 TWA (containing 10-50% free SiO2, total dust); 0.7 mg/m3 TWA (containing 10-50% free SiO2, respirable dust); 0.5 mg/m3 TWA (containing >80% free SiO2, total dust); 0.2 mg/m3 TWA (containing >80% free SiO2, total dust); 0.2 mg/m3 TWA (containing >80% free SiO2, respirable dust)	0.1 mg/m3 TWA (dust)	0.3 mg/m3 TWA (total); 0.1 mg/m3 TWA (respirable)	0.05 mg/m3 TWA (respirable, listed under Silicon dioxide, crystalline)	0.1 mg/m3 TWA [VME] (restrictive limit, alveolar fraction)	
	Result		Kposure Limits/Gu Korea	Mexico	Netherlands	New Zealand	
Iron	Result	illuollesia	Korea	IWIEXICO	Netherlands	New Zealand	
Iron (7439-89-6)	TWAs	1 mg/m3 TWA	Not established	Not established	Not established	Not established	
Quartz (14808-60-7)	TWAs	0.1 mg/m3 TWA (respirable particulate)	0.05 mg/m3 TWA (respirable fraction, Serial No. 251)	0.1 mg/m3 TWA LMPE-PPT (respirable fraction)	0.075 mg/m3 TWA (respirable dust, listed under Silicium dioxide)	0.2 mg/m3 TWA (respirable dust)	
	1		posure Limits/Gu				
	Result	NIOSH	Norway	Poland	Russia	Slovak Republic	
Iron (7439-89-6)	TWAs	Not established	Not established	Not established	10 mg/m3 TWA (aerosol)	6.0 mg/m3 TWA (total aerosol)	
Quartz (14808-60-7)	TWAs	0.05 mg/m3 TWA (respirable dust)	0.3 mg/m3 TWA (Dust containing .alphaQuartz, Cristobalite and/or Tridymite is evaluated by summation formula, total dust); 0.1 mg/m3 TWA (Dust containing .alphaQuartz, Cristobalite and/or Tridymite is evaluated by summation formula, respirable dust)	2 mg/m3 TWA [NDS] (>50% free crystalline silica, total inhalable dust); 0.3 mg/m3 TWA [NDS] (>50% free crystalline silica, respirable dust); 4.0 mg/m3 TWA [NDS] (2% to 50% free crystalline silica, total inhalable dust); 1.0 mg/m3 TWA [NDS] (2% to 50% free crystalline silica, respirable dust)	1 mg/m3 TWA (disintegration aerosol, listed under Silicon dioxide amorphous and vitreous)	0.1 mg/m3 TWA (in Cristobalite or Tridymite, total aerosol) 0.1 mg/m3 TWA	
	STELs	Not established	Not established	Not established	3 mg/m3 STEL (disintegration aerosol, listed under Amorphous and crystalline silicon dioxide)	0.5 mg/m3 STEL	
Exposure Limits/Guidelines (Con't.)							
	1_				-		
Quartz	Result		cposure Limits/Gu Sweden	Switzerland 0.15 mg/m3 TWA	United Kingdom	Venezuela	

STELs	Not established	Not established	Not established	0.3 mg/m3 STEL (calculated, respirable)	Not established
TWAs	Traciassitian lart.	0.1 mg/m3 LLV (respirable dust)	Not established		0.05 mg/m3 TWA [CAP

Exposure Control Notations

Switzerland

•Quartz (14808-60-7): Carcinogens: (Category C1 carcinogen) | Developmental Risk Groups: (Developmental Risk Group C (listed under Silicon dioxide, crystalline))

Norway

Quartz (14808-60-7): Carcinogens: (Carcinogen)

Argentina

Quartz (14808-60-7): Carcinogens: (A2 - Suspected human carcinogen)

Venezuela

•Quartz (14808-60-7): Ceilings: (A2 - Alleged Carcinogen in Humans)

Germany DFG

•Quartz (14808-60-7): Carcinogens: (Category 1 (causes cancer in man, alveola fraction))

Exposure Limits Supplemental

Spain

•Quartz (14808-60-7): Under Review: (0.05 mg/m3 VLA-ED; reclassified by IARC from group 2A possible human carcinogen to group 1 human carcinogen; (respirable fraction))

8.2 Exposure controls

Engineering Measures/Controls

 Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory

 For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

· Wear safety glasses.

Skin/Body

• Wear protective clothing and gloves.

Environmental Exposure Controls

• Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Health Administration (OSHA)

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

STEL = Short Term Exposure Limits are based on 15-minute exposures

Permissible Exposure Level determined by the Occupational Safety and

MAK

Maximale Arbeitsplatz Konzentration is the maximum

= permissible concentration

STEV = Short Term Exposure Value

MAC = Maximum Allowable Concentration

= Threshold Limit Value determined by the American Conference of Governmental Industrial Hygienists (ACGIH)

NIOSH = National Institute of Occupational Safety and Health

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

OSHA = Occupational Safety and Health Administration

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description

Physical Form	Solid	Appearance/Description	Reddish brown to pink grains with no odor.
Color	Reddish brown to pink.	Odor	Odorless
Particulate Size	Varies upon customer demand	Odor Threshold	Data lacking
General Properties			
Boiling Point	Data lacking	Melting Point	1315 C(2399 F)
Decomposition Temperature	> 750 C(> 1382 F)	рН	Not relevant
Specific Gravity/Relative Density	4.1 Water=1	Bulk Density	2.4 g/cm ³
Water Solubility	Insoluble	Viscosity	Data lacking
Explosive Properties	Non-explosive	Oxidizing Properties:	Data lacking
Volatility			
Vapor Pressure	Not relevant	Vapor Density	Not relevant
Evaporation Rate	Not relevant	VOC (Wt.)	Not relevant
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Data lacking
Flammability (solid, gas)	Non-flammable		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

• No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

• No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

• Hazardous polymerization will not occur.

10.4 Conditions to avoid

• No data available.

10.5 Incompatible materials

• None known.

10.6 Hazardous decomposition products

• None known.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

	Components				
Iron (0.01% TO 0.2%)	7439- 89-6	Acute Toxicity: Ingestion/Oral-Rat LD50 • 750 mg/kg; Blood:Changes in serum composition (e.g., TP, bilirubin cholesterol); Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels:Transaminases			
Quartz (< 0.65%)	14808- 60-7	Acute Toxicity: Inhalation-Human TCLo • 16 mppcf 8 Hour(s) 17.9 Year(s)-Intermittent; Lungs, Thorax, or Respiration:Fibrosis, focal (pneumoconiosis); Lungs, Thorax, or Respiration:Dyspnea; Inhalation-Rat TCLo • 200 mg/kg; Lungs, Thorax, or Respiration:Fibrosis, focal (pneumoconiosis); Lungs, Thorax, or Respiration:Other changes; Nutritional and Gross Metabolic:Changes in Chemistry or Temperature:Fe; Multi-dose Toxicity: Inhalation-Hamster TCLo • 3 mg/m³ 6 Hour(s) 78 Week(s)-Intermittent; Lungs, Thorax, or			

Respiration:Fibrosis (interstitial); Lungs, Thorax, or Respiration:Changes in lung weight; Inhalation-Rat TCLo • 6.2 mg/m³ 6 Hour(s) 6 Week(s)-Intermittent; Lungs, Thorax, or Respiration:Other changes; Blood:Changes in spleen; Immunological Including Allergic:Increase in cellular immune response; Inhalation-Rat TCLo • 80 mg/m³ 26 Week(s)-Intermittent; Lungs, Thorax, or Respiration:Fibrosis, focal (pneumoconiosis); Blood:Changes in spleen; Immunological Including Allergic:Decrease in cellular immune response;

Tumorigen / Carcinogen: Inhalation-Rat TCLo • 50 mg/m³ 6 Hour(s) 71 Week(s)-Intermittent;

Tumorigenic:Carcinogenic by RTECS criteria; Liver:Tumors

GHS Properties	Classification
Acute toxicity	EU/CLP•Data lacking OSHA HCS 2012•Data lacking
Aspiration Hazard	EU/CLP•Data lacking OSHA HCS 2012•Data lacking
Carcinogenicity	EU/CLP•Data lacking OSHA HCS 2012•Carcinogenicity 1A
Germ Cell Mutagenicity	EU/CLP•Data lacking OSHA HCS 2012•Data lacking
Skin corrosion/Irritation	EU/CLP•Data lacking OSHA HCS 2012•Data lacking
Skin sensitization	EU/CLP•Data lacking OSHA HCS 2012•Data lacking
STOT-RE	EU/CLP•Data lacking OSHA HCS 2012•Data lacking
STOT-SE	EU/CLP•Data lacking OSHA HCS 2012•Data lacking
Toxicity for Reproduction	EU/CLP•Data lacking OSHA HCS 2012•Data lacking
Respiratory sensitization	EU/CLP•Data lacking OSHA HCS 2012•Data lacking
Serious eye damage/Irritation	EU/CLP•Data lacking OSHA HCS 2012•Data lacking

Potential Health Effects

Inhalation

Acute (Immediate)

• Exposure to dust may cause irritation.

Chronic (Delayed)

• Inhalation of respirable dusts containing crystalline silica may cause lung injury or disease including silicosis and/or cancer.

Skin

Acute

May cause abrasions.

(Immediate) Chronic

• No data available

(Delayed)

Eye

Acute

• Exposure to dust may cause irritation.

(Immediate) Chronic

No data available

(Delayed) Ingestion

Acute

• No known effects, however ingestion not recommended.

(Immediate)

Chronic (Delayed)

No data available

Carcinogenic **Effects**

• May cause cancer. This product contains crystalline silica as cristobalite and/or quartz. IARC Monographs on Evaluation of Carcinogenic Risk of Chemicals to Humans (Monograph 68, 1997) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to humans (IARC Group I). Crystalline Silica is classified as a Known Carcinogen according to NTP.

Carcinogenic Effects				
	CAS	IARC	NTP	
Quartz	14808-60-7	Group 1-Carcinogenic	Known Human Carcinogen	

Key to abbreviations

LD = Lethal Dose

TC = Toxic Concentration

Section 12 - Ecological Information

12.1 Toxicity

Material data lacking.

12.2 Persistence and degradability

• Material data lacking.

12.3 Bioaccumulative potential

Material data lacking.

12.4 Mobility in Soil

• Material data lacking.

12.5 Results of PBT and vPvB assessment

• No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for user

• None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • Data lacking.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications

Chronic

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Almandine-Ferric Aluminum Silicate	1302-62-1	No	No	No	No	No
Feldspars	68476-25- 5	No	Yes	Yes	Yes	No
Hornblende	12178-42- 6	No	No	No	No	No
Iron	7439-89-6	Yes	No	Yes	Yes	No
Quartz	14808-60- 7	Yes	No	Yes	Yes	No

Inventory (Con't.)					
Component	CAS	Korea KECL	New Zealand	TSCA	
Almandine-Ferric Aluminum Silicate	1302-62-1	No	Yes	No	
Feldspars	68476-25-5	Yes	Yes	Yes	
Hornblende	12178-42-6	No	No	No	
Iron	7439-89-6	Yes	Yes	Yes	
Quartz	14808-60-7	Yes	Yes	Yes	

Belgium

Labor

Belgium - Substances and Preparations - Carcinogens and Mutagens		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Belgium - Substances and Preparations - Suspected Carcinogens and Mutagens		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	
•Hornblende	12178-42-6	Not Listed

Canada

Labor

Canada - WHMIS - Classifications of Substances

•Iron	7439-89-6	Uncontrolled product according to WHMIS classification criteria
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Silica, crystalline, encapsulated on Health Canada's WHMIS Division website.)
•Hornblende	12178-42-6	Not Listed
Canada - WHMIS - Ingredient Disclosure List		

•Iron •Feldspars •Almandine-Ferric Aluminum Silicate •Quartz •Hornblende Environment Canada - CEPA - Priority Substances List •Iron	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed Not Listed Not Listed 1 % Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
Quartz Hornblende	14808-60-7 12178-42-6	Not Listed Not Listed
	12170-42-0	NOI LISIEU
China		
Environment China Ozona Banlating Substances First Sabadula		
China - Ozone Depleting Substances - First Schedule •Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
China - Ozone Depleting Substances - Second Schedule		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
China - Ozone Depleting Substances - Third Schedule •Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Other		
China - Annex I & II - Controlled Chemicals Lists		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
China - Catalog of Hypertoxic Chemicals •Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
China - Dangerous Goods List		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
China - Export Control List - Part I Chemicals •Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed

Denmark

EnvironmentDenmark - Advisory List for Self-Classification of Dangerous Substances

•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Denmark - List of Undesirable Substances - Product Groups/Function		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Denmark - List of Undesirable Substances - Reason for Selection		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Europo		
Europe		
Environment		
EU - Air Pollution (2001/379/EC) - Heavy Metal Pollutants		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
EU - Substances Depleting the Ozone layer (1005/2009) - Annex I Substances		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
	12178-42-6	Not Listed
•Hornblende		Not Listed
•Hornblende Other		Not Listed
•Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to	Export Ban	
•Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to •Iron	Export Ban 7439-89-6	Not Listed
Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron	Export Ban 7439-89-6 68476-25-5	Not Listed Not Listed
 Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende 	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed Not Listed Not Listed
 Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Notice 	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication	Not Listed Not Listed Not Listed Not Listed Not Listed
 Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Notificon 	PEXPORT Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6	Not Listed Not Listed Not Listed Not Listed Not Listed
Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Notice elron Feldspars	PEXPORT Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Noticelron Feldspars Almandine-Ferric Aluminum Silicate	PEXPORT Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
 Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Notielron Feldspars Almandine-Ferric Aluminum Silicate Quartz 	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
 Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Notielron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende 	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
 Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Noti elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Water Framework Directive (2000/60/EC) - List of Priority Substances - Annex 	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
 Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Noticellon Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Water Framework Directive (2000/60/EC) - List of Priority Substances - Annexeelron 	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 X 7439-89-6	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
 Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Noticellon Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Water Framework Directive (2000/60/EC) - List of Priority Substances - Annexellor Iron Feldspars 	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 X 7439-89-6 68476-25-5	Not Listed Not Listed
 Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Noticelron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Water Framework Directive (2000/60/EC) - List of Priority Substances - Annexelron Feldspars Almandine-Ferric Aluminum Silicate 	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 X 7439-89-6 68476-25-5 1302-62-1	Not Listed
 Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Noticelron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Water Framework Directive (2000/60/EC) - List of Priority Substances - Annex elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Quartz 	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 X 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed
 Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Noticelron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Water Framework Directive (2000/60/EC) - List of Priority Substances - Annexelron Feldspars Almandine-Ferric Aluminum Silicate 	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 X 7439-89-6 68476-25-5 1302-62-1	Not Listed
 Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Noticelron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Water Framework Directive (2000/60/EC) - List of Priority Substances - Annex elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Quartz 	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 X 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed
 Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Noticeliron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Water Framework Directive (2000/60/EC) - List of Priority Substances - Annex elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Germany 	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 X 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed
 *Hornblende Other	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 X 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
eHornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Noticellon Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Water Framework Directive (2000/60/EC) - List of Priority Substances - Annexellon Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Germany Labor Germany - Immission Control - Qualifying Quantities for Major Accident Prevention	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 X 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Notifical Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Water Framework Directive (2000/60/EC) - List of Priority Substances - Annex Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Germany Labor Germany - Immission Control - Qualifying Quantities for Major Accident Prevention Iron	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 X 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
eHornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Noticellon Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Water Framework Directive (2000/60/EC) - List of Priority Substances - Annexellon Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Germany Labor Germany - Immission Control - Qualifying Quantities for Major Accident Prevention Feldspars	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 X 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Noticeling Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende EU - Water Framework Directive (2000/60/EC) - List of Priority Substances - Annexeliron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Germany Labor Germany - Immission Control - Qualifying Quantities for Major Accident Prevention Feldspars Almandine-Ferric Aluminum Silicate	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 X 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
*Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron *Feldspars *Almandine-Ferric Aluminum Silicate *Quartz *Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Notice elements of the proof of	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 X 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 n 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed
*Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron *Feldspars *Almandine-Ferric Aluminum Silicate *Quartz *Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Noticelland Piron *Feldspars *Almandine-Ferric Aluminum Silicate *Quartz *Hornblende EU - Water Framework Directive (2000/60/EC) - List of Priority Substances - Annex elron *Feldspars *Almandine-Ferric Aluminum Silicate *Quartz *Hornblende Germany Labor Germany - Immission Control - Qualifying Quantities for Major Accident Prevention *Iron *Feldspars *Almandine-Ferric Aluminum Silicate *Quartz *Hornblende	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 X 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
*Hornblende Other EU - Export and Import Restrictions (689/2008) - Chemicals and Articles Subject to elron *Feldspars *Almandine-Ferric Aluminum Silicate *Quartz *Hornblende EU - Export and Import Restrictions (689/2008) - Chemicals Qualifying for PIC Notice elements of the proof of	Export Ban 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 fication 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 X 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 n 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed

	•Feldspars	68476-25-5	Not Listed
	Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
	•Quartz	14808-60-7	Not Listed
	•Hornblende	12178-42-6	Not Listed
	Germany - TRGS 505 - Specific Lead Regulations	12170 120	1 tot Liotod
	•Iron	7439-89-6	Not Listed
	•Feldspars	68476-25-5	Not Listed
	Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
	•Quartz	14808-60-7	Not Listed
	•Hornblende	12178-42-6	Not Listed
	Germany - TRGS 511 - Specific Ammonium Nitrate Regulations		
	•Iron	7439-89-6	Not Listed
	•Feldspars	68476-25-5	Not Listed
	•Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
	•Quartz	14808-60-7	Not Listed
	•Hornblende	12178-42-6	Not Listed
En	vironment		
	Germany - TA Luft - Types and Classes		
	•Iron	7439-89-6	Not Listed
	•Feldspars	68476-25-5	Not Listed
	·		
	Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
	•Quartz	14808-60-7	Not Listed
	•Hornblende	12178-42-6	Not Listed
	Germany - TA Luft - Emission Limits for Carcinogenic Substances		
	•Iron	7439-89-6	Not Listed
	•Feldspars	68476-25-5	Not Listed
	•Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
	•Quartz	14808-60-7	Not Listed
	•Hornblende	12178-42-6	Not Listed
	Germany - TA Luft - Emission Limits for Fibers	12170-42-0	Not Listed
		7420 00 0	Not Listed
	•Iron	7439-89-6	
	•Feldspars	68476-25-5	Not Listed
	Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
	•Quartz	14808-60-7	Not Listed
	•Hornblende	12178-42-6	Not Listed
	Germany - TA Luft - Emission Limits for Inorganic Dusts		
	•Iron	7439-89-6	Not Listed
	•Feldspars	68476-25-5	Not Listed
	•Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
	•Quartz		Not Listed
		14808-60-7	
	•Hornblende	12178-42-6	Not Listed
	Germany - TA Luft - Emission Limits for Inorganic Gases	7400 00 0	N. alta a
	•Iron	7439-89-6	Not Listed
	•Feldspars	68476-25-5	Not Listed
	Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
	•Quartz	14808-60-7	Not Listed
	•Hornblende	12178-42-6	Not Listed
	Germany - TA Luft - Emission Limits for Organic Substances		
	•Iron	7439-89-6	Not Listed
	•Feldspars	68476-25-5	Not Listed
	Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
	•Quartz	14808-60-7	Not Listed
	•Hornblende	12178-42-6	Not Listed
	Germany - Water Classification (VwVwS) - Annex 1		
			ID Number 748, not
	•Iron	7439-89-6	considered hazardous to
			water
	•Feldspars	68476-25-5	Not Listed
	•Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
			ID Number 849, not
	•Quartz	14808-60-7	considered hazardous to
			water
	•Hornblende	12178-42-6	Not Listed
	 		-

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
•Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Germany - Water Classification (VwVwS) - Annex 3		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	ID Number 849, not considered hazardous to water
•Hornblende	12178-42-6	Not Listed
Other		
Germany - Specifically Regulated Chemicals in TRGS		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Germany - GUT - Substances Banned from Carpeting		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Greece		
Labor		
Greece - Substances Prohibited from Use in the Workplace		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Environment		
Greece - Air Quality Guidelines - 1 Hour		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Greece - Air Quality Guidelines - 24 Hour	12170 42 0	Not Listed
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Greece - Air Quality Guidelines - Annual		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Greece - Surface Water Quality Standards		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Greece - Water Quality - Industrial Emission Limit Values (ELVs) - Daily		

			15.0 mg/L ELV (total, lakes);
•Iron		7439-89-6	15.0 mg/L ELV (total, rivers);
-11011		7 439-09-0	20.0 mg/L ELV (total, coastal
			waters)
Feldspars		68476-25-5	Not Listed
 Almandine-Ferric Aluminum 	Silicate	1302-62-1	Not Listed
•Quartz		14808-60-7	Not Listed
•Hornblende		12178-42-6	Not Listed
	dustrial Emission Limit Values (ELVs) - Monthl		. 101 =.0104
,	(,	•	7.5 mg/L ELV (total, lakes);
			7.5 mg/L ELV (total, rivers);
•Iron		7439-89-6	10.0 mg/L ELV (total, coastal
			waters)
Feldspars		68476-25-5	Not Listed
•Almandine-Ferric Aluminum	Silicate	1302-62-1	Not Listed
•Quartz		14808-60-7	Not Listed
Hornblende		12178-42-6	Not Listed
Tiombionae		12170 42 0	Not Listed
Other			
=	- Threshold Quantities for Accident Prevention		
•Iron		7439-89-6	Not Listed
Feldspars		68476-25-5	Not Listed
 Almandine-Ferric Aluminum 	Silicate	1302-62-1	Not Listed
•Quartz		14808-60-7	Not Listed
Hornblende		12178-42-6	Not Listed
Greece - Major Accidents	- Threshold Quantities for Safety Reporting		
•Iron		7439-89-6	Not Listed
Feldspars		68476-25-5	Not Listed
 Almandine-Ferric Aluminum 	Silicate	1302-62-1	Not Listed
•Quartz		14808-60-7	Not Listed
•Hornblende		12178-42-6	Not Listed
Greece - Marketing and Us	se Restrictions - Azodyes		
•Iron	•	7439-89-6	Not Listed
•Feldspars		68476-25-5	Not Listed
•Almandine-Ferric Aluminum	Silicate	1302-62-1	Not Listed
•Quartz		14808-60-7	Not Listed
•Hornblende		12178-42-6	Not Listed
Indonesia			
Environment			
Indonesia - Hazardous Wa	ste from Non-Specific Sources		
•Iron	•	7439-89-6	Not Listed
Feldspars		68476-25-5	Not Listed
•Almandine-Ferric Aluminum	Silicate	1302-62-1	Not Listed
•Quartz		14808-60-7	Not Listed
•Hornblende		12178-42-6	Not Listed
Indonesia - Hazardous Wa	ste from Specific Sources	12170 42 0	Not Elotod
•Iron		7439-89-6	Not Listed
•Feldspars		68476-25-5	Not Listed
•Almandine-Ferric Aluminum	Silicate	1302-62-1	Not Listed
•Quartz	Tollicate	14808-60-7	Not Listed
•Hornblende		12178-42-6	Not Listed
	ste from Overdue Chemicals	12170-42-0	Not Listed
•Iron	iste Ironi Overdue Chemicais	7439-89-6	Not Listed
		68476-25-5	Not Listed
FeldsparsAlmandine-Ferric Aluminum	Silicato	1302-62-1	Not Listed
•Quartz	1 Silicate		Not Listed
•Hornblende		14808-60-7	Not Listed
•nombiende		12178-42-6	Not Listed
Japan			
Labor			
Japan - ISHL Dangerous S	Substances		
•Iron		7439-89-6	Not Listed
•Feldspars		68476-25-5	Not Listed
1			

Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Japan - ISHL Designated Carcinogens		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
•Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
	12170 120	rtot Elotod
Other		
Japan - Drinking Water Quality Standards - Supplied Water Quality Standard Values	•	
•Iron	7439-89-6	0.3 mg/L (listed under Iron
F. 11		and its compounds)
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Japan - Drinking Water Quality Standards - Quality Control Guideline Values		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Japan - Fire Service Law - Hazardous Materials		
		Group 2 - Flammable solids
•Iron	7439-89-6	III (powder, listed under Iron
		powder)
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Korea		
Notea		
Labor		
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfe	erring, or Supp	olying
	erring, or Supp 7439-89-6	blying Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfe		
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfe	7439-89-6	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfe •Iron •Feldspars	7439-89-6 68476-25-5	Not Listed Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfe •Iron •Feldspars •Almandine-Ferric Aluminum Silicate	7439-89-6 68476-25-5 1302-62-1	Not Listed Not Listed Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfe •Iron •Feldspars •Almandine-Ferric Aluminum Silicate •Quartz	7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed Not Listed Not Listed Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfe •Iron •Feldspars •Almandine-Ferric Aluminum Silicate •Quartz •Hornblende	7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed Not Listed Not Listed Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfe •Iron •Feldspars •Almandine-Ferric Aluminum Silicate •Quartz •Hornblende Korea - ISHA - Harmful Substances Requiring Permission	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed Not Listed Not Listed Not Listed Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfe Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Harmful Substances Requiring Permission Iron	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfe Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Harmful Substances Requiring Permission Iron Feldspars	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfellron •Feldspars •Almandine-Ferric Aluminum Silicate •Quartz •Hornblende Korea - ISHA - Harmful Substances Requiring Permission •Iron •Feldspars •Almandine-Ferric Aluminum Silicate	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfellor Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Harmful Substances Requiring Permission Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfeller Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Harmful Substances Requiring Permission Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfellron •Feldspars •Almandine-Ferric Aluminum Silicate •Quartz •Hornblende Korea - ISHA - Harmful Substances Requiring Permission •Iron •Feldspars •Almandine-Ferric Aluminum Silicate •Quartz •Hornblende Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substance	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfellron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Harmful Substances Requiring Permission Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substance	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 s 7439-89-6	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfellor Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Harmful Substances Requiring Permission Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substance Iron Feldspars	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 s 7439-89-6 68476-25-5 1302-62-1	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfellor Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Harmful Substances Requiring Permission Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substance Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Feldspars Almandine-Ferric Aluminum Silicate Quartz	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 s 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfellron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Harmful Substances Requiring Permission Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substance Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Hornblende	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 s 7439-89-6 68476-25-5 1302-62-1	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transference of Peldspars • Almandine-Ferric Aluminum Silicate • Quartz • Hornblende Korea - ISHA - Harmful Substances Requiring Permission • Iron • Feldspars • Almandine-Ferric Aluminum Silicate • Quartz • Hornblende Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substance • Iron • Feldspars • Almandine-Ferric Aluminum Silicate • Quartz • Hornblende Environment	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 s 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transference of Prohibited For Manufacturing, Importing, Transference of Prohibited Ferric Aluminum Silicate *Quartz *Hornblende *Korea - ISHA - Harmful Substances Requiring Permission *Iron *Feldspars *Almandine-Ferric Aluminum Silicate *Quartz *Hornblende *Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substance *Iron *Feldspars *Almandine-Ferric Aluminum Silicate *Quartz *Hornblende *Environment *Korea - MOE - Toxic Chemicals Control Act (TCCA) - Observational Chemicals	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 s 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transference of Prohibited For Manufacturing, Importing, Transference of Prohibited For Manufacturing, Importing, Transference of Prohibited For Manufacturing Permission In Prohibited For Marmful Substances Requiring Permission It is a substance of Prohibited For Manufacturing Permission It is a substance of Prohibited For Manufacturing Permission It is a substance of Prohibited For Manufacturing Permission It is a substance of Prohibited For Manufacturing Permission It is a substance of Prohibited For Manufacturing Permission It is a substance of Prohibited For Manufacturing Permission It is a substance of Prohibited For Manufacturing Permission It is a substance of Prohibited For Manufacturing Permission It is a substance of Prohibited For Manufacturing Permission It is a substance of Prohibited For Manufacturing Permission It is a substance of Prohibited For Manufacturing Permission It is a substance of Prohibited For Manufacturing Permission It is a substance of Per	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 s 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfellron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Harmful Substances Requiring Permission Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substance Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment Korea - MOE - Toxic Chemicals Control Act (TCCA) - Observational Chemicals Iron Feldspars	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 s 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfellron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Harmful Substances Requiring Permission Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substance Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment Korea - MOE - Toxic Chemicals Control Act (TCCA) - Observational Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 s 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfellron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Harmful Substances Requiring Permission Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substance Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment Korea - MOE - Toxic Chemicals Control Act (TCCA) - Observational Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment Korea - MOE - Toxic Chemicals Control Act (TCCA) - Observational Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 8 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfellron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Harmful Substances Requiring Permission Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substance Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment Korea - MOE - Toxic Chemicals Control Act (TCCA) - Observational Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 s 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfellron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Harmful Substances Requiring Permission Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substance Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment Korea - MOE - Toxic Chemicals Control Act (TCCA) - Observational Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 8 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfellron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Harmful Substances Requiring Permission Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substance Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment Korea - MOE - Toxic Chemicals Control Act (TCCA) - Observational Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Other	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 8 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed
Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transfellron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Harmful Substances Requiring Permission Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substance Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment Korea - MOE - Toxic Chemicals Control Act (TCCA) - Observational Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende	7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 8 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed

F.11	00470055	No. 11.
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Korea - MOE - Toxic Chemicals Control Act (TCCA) - Restricted Chemicals		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Korea - MOE - Toxic Chemicals Control Act (TCCA) - Toxic Chemicals		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Maviaa		
Mexico		
Environment		
Mexico - Ecological Criteria for Water Quality - Agricultural Irrigation		
•Iron	7439-89-6	5.0 mg/L
•Feldspars	68476-25-5	Not Listed
•Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Mexico - Ecological Criteria for Water Quality - Drinking Water Supply Source		. 101 = .010 0
•Iron	7439-89-6	0.3 mg/L
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Mexico - Ecological Criteria for Water Quality - Protection of Fresh Water Aquatic L		Not Listed
•Iron	7439-89-6	1.0 mg/L
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Mexico - Ecological Criteria for Water Quality - Protection of Marine Water Aquatic		Not Listed
•Iron	7439-89-6	0.05 mg/L
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	
		Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Netherlands		
Other		
Other Netherlands - List of Carcinogens		
•Iron	7439-89-6	Not Listed
		Not Listed
•Feldspars	68476-25-5	
•Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	(respirable dust, crystalline)
•Hornblende	12178-42-6	Not Listed
Netherlands - Major Accidents - Qualifying Quantities for Accident Prevention	7400 00 0	Night Links of
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
•Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Netherlands - Major Accidents - Qualifying Quantities for Safety Reporting		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed

•Hornblende 12178-42-6 Not Listed **New Zealand** Other **New Zealand - Ozone Depleting Substances** 7439-89-6 Not Listed 68476-25-5 Not Listed Feldspars •Almandine-Ferric Aluminum Silicate Not Listed 1302-62-1 Not Listed Quartz 14808-60-7 •Hornblende 12178-42-6 Not Listed **Norway Environment Norway - Restricted Substances and Preparations** •Iron 7439-89-6 Not Listed Not Listed Feldspars 68476-25-5 •Almandine-Ferric Aluminum Silicate 1302-62-1 Not Listed Quartz 14808-60-7 Not Listed •Hornblende 12178-42-6 Not Listed Russia Labor Russia - Limiting Quantities of Hazardous Substances 7439-89-6 Not Listed Feldspars 68476-25-5 Not Listed •Almandine-Ferric Aluminum Silicate Not Listed 1302-62-1 Quartz 14808-60-7 Not Listed •Hornblende 12178-42-6 Not Listed Slovak Republic Labor Slovak Republic - Selected Chemical Agents and Usages Which are Not Permitted 7439-89-6 Not Listed •Iron Feldspars 68476-25-5 Not Listed Almandine-Ferric Aluminum Silicate 1302-62-1 Not Listed •Quartz 14808-60-7 Not Listed Hornblende 12178-42-6 Not Listed Environment Slovak Republic - Waste Regulations - List of Harmful Substances Not Listed 7439-89-6 68476-25-5 Not Listed Feldspars •Almandine-Ferric Aluminum Silicate 1302-62-1 Not Listed Quartz 14808-60-7 Not Listed •Hornblende 12178-42-6 Not Listed Taiwan **Environment** Taiwan - Effluent Standards - Maximum Effluent Limitations 7439-89-6 Not Listed Not Listed Feldspars 68476-25-5 •Almandine-Ferric Aluminum Silicate 1302-62-1 Not Listed Not Listed Quartz 14808-60-7 •Hornblende 12178-42-6 Not Listed Taiwan - Toxic Chemical Substances Control Act - Threshold Regulated Quantities 7439-89-6 Not Listed Feldspars 68476-25-5 Not Listed •Almandine-Ferric Aluminum Silicate 1302-62-1 Not Listed Quartz Not Listed 14808-60-7 •Hornblende Not Listed 12178-42-6 Taiwan - Toxic Chemical Substances Control Act - Classification and Control Levels

IronFeldspars

7439-89-6

68476-25-5

Not Listed

Not Listed

Almandine-Ferric Aluminum Silicate Quartz Hornblende	1302-62-1 14808-60-7 12178-42-6	Not Listed Not Listed Not Listed
United Kingdom		
Environment		
United Kingdom - Pollution Inventory - Schedule 1 - Thresholds for Releases to •Iron		Not Listed
•Feldspars	7439-89-6 68476-25-5	Not Listed
•Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
Other United Kingdom - Major Accidents - International Toxic Equivalent Factors (ITE	F)	
•Iron	7439-89-6	Not Listed
Feldspars Almandine-Ferric Aluminum Silicate	68476-25-5 1302-62-1	Not Listed Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
United Kingdom - Major Accidents - Qualifying Quantities for Accident Preventi	ion 7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
•Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
 Hornblende United Kingdom - Major Accidents - Qualifying Quantities for Safety Reporting 	12178-42-6	Not Listed
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
•Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz •Hornblende	14808-60-7 12178-42-6	Not Listed Not Listed
United States	12170 120	riot Liotou
Labor		
Labor U.S OSHA - Process Safety Management - Highly Hazardous Chemicals		
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals •Iron	7439-89-6	Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals	7439-89-6 68476-25-5 1302-62-1	Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals •Iron •Feldspars	68476-25-5	
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende	68476-25-5 1302-62-1	Not Listed Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S OSHA - Specifically Regulated Chemicals	68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed Not Listed Not Listed Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende	68476-25-5 1302-62-1 14808-60-7	Not Listed Not Listed Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S OSHA - Specifically Regulated Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate	68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S OSHA - Specifically Regulated Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz	68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S OSHA - Specifically Regulated Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Hornblende	68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S OSHA - Specifically Regulated Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz	68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals •Iron •Feldspars •Almandine-Ferric Aluminum Silicate •Quartz •Hornblende U.S OSHA - Specifically Regulated Chemicals •Iron •Feldspars •Almandine-Ferric Aluminum Silicate •Quartz •Hornblende Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants •Iron	68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S OSHA - Specifically Regulated Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants Iron Feldspars	68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5	Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals •Iron •Feldspars •Almandine-Ferric Aluminum Silicate •Quartz •Hornblende U.S OSHA - Specifically Regulated Chemicals •Iron •Feldspars •Almandine-Ferric Aluminum Silicate •Quartz •Hornblende Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants •Iron	68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S OSHA - Specifically Regulated Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende	68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1	Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S OSHA - Specifically Regulated Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities	68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S OSHA - Specifically Regulated Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities Iron	68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6	Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S OSHA - Specifically Regulated Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities	68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S OSHA - Specifically Regulated Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz	68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S OSHA - Specifically Regulated Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende	68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1	Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S OSHA - Specifically Regulated Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz	68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S OSHA - Specifically Regulated Chemicals Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities Quartz Hornblende U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities	68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed

Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
•Hornblende	12178-42-6	Not Listed
U.S CERCLA/SARA - Section 313 - Emission Reporting	12170 42 0	Not Elsted
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	Not Listed
	12178-42-6	
•Hornblende	12178-42-6	Not Listed
U.S CERCLA/SARA - Section 313 - PBT Chemical Listing	7420 00 6	Not Listed
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	
•Hornblende	12178-42-6	Not Listed
United States - California		
Environment		
U.S California - Proposition 65 - Carcinogens List		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
•Quartz	14808-60-7	carcinogen, initial date 10/1/88 (airborne particles of
		respirable size)
•Hornblende	12178-42-6	Not Listed
U.S California - Proposition 65 - Developmental Toxicity		
•Iron	7439-89-6	Not Listed
•Feldspars	68476-25-5	Not Listed
·		NI CITCOL
•Almandine-Ferric Aluminum Silicate	1302-62-1	Not Listed
		Not Listed Not Listed
Almandine-Ferric Aluminum Silicate	1302-62-1	
•Almandine-Ferric Aluminum Silicate •Quartz	1302-62-1 14808-60-7	Not Listed
Almandine-Ferric Aluminum SilicateQuartzHornblende	1302-62-1 14808-60-7	Not Listed
 •Almandine-Ferric Aluminum Silicate •Quartz •Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) 	1302-62-1 14808-60-7 12178-42-6	Not Listed Not Listed
 Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Iron 	1302-62-1 14808-60-7 12178-42-6 7439-89-6	Not Listed Not Listed
 Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Iron Feldspars 	1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5	Not Listed Not Listed Not Listed Not Listed
 Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Iron Feldspars Almandine-Ferric Aluminum Silicate 	1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
 Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz 	1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed
 Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende 	1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed
 Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - No Significant Risk Levels (NSRL) Iron 	1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
 Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - No Significant Risk Levels (NSRL) Iron Feldspars 	1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5	Not Listed
 Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - No Significant Risk Levels (NSRL) Iron Feldspars Almandine-Ferric Aluminum Silicate 	1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1	Not Listed
 Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - No Significant Risk Levels (NSRL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz 	1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed
 Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - No Significant Risk Levels (NSRL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende 	1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1	Not Listed
 Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - No Significant Risk Levels (NSRL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Reproductive Toxicity - Female 	1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6	Not Listed
 Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - No Significant Risk Levels (NSRL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Reproductive Toxicity - Female Iron 	1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6	Not Listed
 Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - No Significant Risk Levels (NSRL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Reproductive Toxicity - Female Iron Feldspars 	1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5	Not Listed
 Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - No Significant Risk Levels (NSRL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Reproductive Toxicity - Female Iron Feldspars Almandine-Ferric Aluminum Silicate 	1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1	Not Listed
 Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - No Significant Risk Levels (NSRL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Reproductive Toxicity - Female Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz 	1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7	Not Listed
 Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - No Significant Risk Levels (NSRL) Iron Feldspars Almandine-Ferric Aluminum Silicate Quartz Hornblende U.S California - Proposition 65 - Reproductive Toxicity - Female Iron Feldspars Almandine-Ferric Aluminum Silicate 	1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1 14808-60-7 12178-42-6 7439-89-6 68476-25-5 1302-62-1	Not Listed

•Iron7439-89-6Not Listed•Feldspars68476-25-5Not Listed•Almandine-Ferric Aluminum Silicate1302-62-1Not Listed•Quartz14808-60-7Not Listed•Hornblende12178-42-6Not Listed

15.2 Chemical Safety Assessment

• No Chemical Safety Assessment has been carried out.

15.3 Other Information

• WARNING: This product contains a chemical known to the State of California to cause cancer.

Section 16 - Other Information

Relevant Phrases (code & full text)

• H335 - May cause respiratory irritation

H302 - Harmful if swallowed

H372 - Causes damage to organs through prolonged or repeated exposure.

H373 - May cause damage to organs through prolonged or repeated exposure.

R22 - Harmful if swallowed.

R37 - Irritating to respiratory system.

R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Last Revision Date

• 19/August/2014

Preparation Date

• 19/August/2014

Key to abbreviations

NDA = No Data Available

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