



AWP

Safety Data Sheet

according to US HazCom 2024

Issue date: 24 June 2025 Revision date: 24 June 2025 Version: 1.0

SECTION 1 Identification

1.1. Product identifier

Product form : Article
Trade name : AWP

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Construction materials
For professional use only

1.4. Supplier's details

Nichiha USA Inc.
6465 E Johns Crossing, Suite 250
Johns Creek, GA 30097,
United States
Tel: 1-866-424-4421
Email: info@nichiha.com

1.5. Emergency phone number

Emergency number : 770-805-9466

SECTION 2 Hazard Identification

Comments : The hazards associated with this product occur when dust is generated during cutting or machining. These risks are not present during shipping or after installation.

2.1. Classification of the substance or mixture

Arctiles are not subject to HazCom 2024

GHS US classification associated with generated dust not the product as shipped or as installed

Skin corrosion/irritation, Category 2	Causes skin irritation.
Serious eye damage/eye irritation, Category 2A	Causes serious eye irritation.
Skin sensitization, Category 1	May cause an allergic skin reaction.
Carcinogenicity, Category 1A	May cause cancer.
Specific target organ toxicity — Single exposure, Category 1	Causes damage to organs (respiratory system).
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	May cause respiratory irritation.
Specific target organ toxicity — Repeated exposure, Category 1	Causes damage to organs (respiratory system, kidneys) through prolonged or repeated exposure.

2.2. Label elements

GHS US labeling associated with generated dust not the product as shipped or as installed

Hazard pictograms (GHS US)



Signal word (GHS US)	: Danger
Hazard statements (GHS US)	: Causes skin irritation May cause an allergic skin reaction Causes serious eye irritation May cause respiratory irritation May cause cancer. Causes damage to organs (respiratory system). Causes damage to organs (respiratory system, kidneys) through prolonged or repeated exposure
Precautionary statements (GHS US)	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

Other hazards which do not result in classification : May form combustible dust concentrations in air.

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : The hazards associated with this product occur when dust are generated during cutting or machining. These risks are not present during shipping or after installation.

Name	Product identifier	%	GHS US classification
Quartz	CAS-No.: 14808-60-7	< 50	Carc. 1A, H350 STOT SE 1, H370 STOT RE 1, H372

Name	Product identifier	%	GHS US classification
Cement, portland, chemicals	CAS-No.: 65997-15-1	< 25	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: In case of dust production: Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact	: In case of dust production: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Rinse immediately with plenty of water for 15 minutes.
First-aid measures after eye contact	: In case of dust production: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse immediately and thoroughly, pulling the eyelids away from eyes (15 minutes minimum).
First-aid measures after ingestion	: In case of dust production: Rinse mouth. Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects	: In case of dust production: Causes damage to organs (respiratory system). Causes damage to organs (respiratory system, kidneys) through prolonged or repeated exposure. May cause cancer.
Symptoms/effects after inhalation	: In case of dust production: Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Symptoms/effects after skin contact	: In case of dust production: Causes skin irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: In case of dust production: Causes serious eye irritation.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Note to physician :	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide.
Unsuitable extinguishing media	: None known.

5.2. Specific hazards arising from the chemical

Fire hazard	: On combustion forms: Silicon dioxide. Calcium oxide.
Explosion hazard	: None known.
Hazardous decomposition products in case of fire	: Thermal decomposition can lead to the release of irritating gases and vapors.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : The hazards associated with this product occur when dust are generated during cutting or machining. If dust are formed : Avoid contact with skin, eyes and clothing. Do not breathe dust.

For non-emergency personnel

Protective equipment : If dust are formed : Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : If dust are formed : Ventilate spillage area. Evacuate unnecessary personnel.

For emergency responders

Protective equipment : If dust are formed : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : If dust are formed : Ventilate area. Prevent entry to sewers and public waters.

Environmental precautions : Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.2. Methods and materials for containment and cleaning up

For containment : Collect spillage. If sweeping of a contaminated area is necessary, use a dust suppressant agent.

Methods for cleaning up : Minimize generation of dust. Mechanically recover the product. On land, sweep or shovel into suitable containers. Store away from other materials.

Other information : Dispose in a safe manner in accordance with local/national regulations.

For further information refer to section 8: "Exposure controls/personal protection", For disposal of residues refer to section 13 : "Disposal considerations"

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. In case of dust production: Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe dust.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Wash contaminated clothing prior to re-use. Contaminated work clothing should not be allowed out of the workplace. Use good personal hygiene practices.

Additional hazards when processed : The hazards associated with this product occur when dust are generated during cutting or machining. Dust can be generated during cutting or fabrication of the product.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : No particular/specific measures required.

Incompatible materials : None known.

Specific end uses : See Heading 1.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

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Crystalline silica (Quartz) (14808-60-7)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Silica, crystalline, quartz
ACGIH® TLV® TWA	0.025 mg/m³ (R - Respirable particulate matter)
Remark (ACGIH)	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
ACGIH chemical category	Suspected Human Carcinogen
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Quartz (Respirable) (Silica: Crystalline)
OSHA PEL TWA	50 µg/m³ (Respirable crystalline silica)
Remark (OSHA)	Table Z-3. For OSHA PEL (TWA): Use formulas: $(250 / (\%SiO_2+5))$ for mppcf and $(10 \text{ mg/m}^3 / (\%SiO_2+2))$ for mg/m³. CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Quartz
Cal/OSHA PEL (OEL TWA)	0.05 mg/m³ (Silica, crystalline, respirable dust)
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)
USA - IDLH - Occupational Exposure Limits	
IDLH	50 mg/m³ (respirable dust)
USA - NIOSH - Occupational Exposure Limits	
Local name	Quartz (Silica, crystalline, respirable dust)
NIOSH REL TWA	0.05 mg/m³ (respirable dust)
NIOSH REL 10h TWA	0.05 mg/m³
Remark (NIOSH)	Ca = Potential occupational carcinogens
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))
Limestone (1317-65-3)	
USA - OSHA - Occupational Exposure Limits	
Local name	Calcium Carbonate (Limestone; Marble)
OSHA PEL TWA	15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Limestone; calcium carbonate
Cal/OSHA PEL (OEL TWA)	10 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)
USA - NIOSH - Occupational Exposure Limits	
Local name	Calcium Carbonate (Limestone; Marble)

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Limestone (1317-65-3)	
NIOSH REL TWA	10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)
NIOSH REL 10h TWA	10 mg/m ³ (Total dust) 5 mg/m ³ (Respirable fraction)
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))
Mica (12001-26-2)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Mica
ACGIH® TLV® TWA	0.1 mg/m ³ (R - Respirable particulate matter)
Remark (ACGIH)	TLV® Basis: Pneumoconiosis
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Mica (Silicates (less than 1% crystalline silica))
OSHA PEL TWA	20 mppcf
Remark (OSHA)	Table Z-3. CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Mica [Silicates (<1% crystalline silica)]
Cal/OSHA PEL (OEL TWA)	3 mg/m ³ (Respirable dust)
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)
USA - NIOSH - Occupational Exposure Limits	
Local name	Mica (Silicates (less than 1% crystalline silica))
NIOSH REL TWA	3 mg/m ³
NIOSH REL 10h TWA	3 mg/m ³ (Respirable fraction)
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-3 Mineral Dusts (NIOSH Pocket Guide to Chemical Hazards (NPG))
Cement, portland, chemicals (65997-15-1)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Portland cement
ACGIH® TLV® TWA	1 mg/m ³ (E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica, R - Respirable particulate matter)
Remark (ACGIH)	TLV® Basis: Pulm func; resp symptoms; asthma. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Portland cement
OSHA PEL TWA	15 mg/m ³ (Total dust) 5 mg/m ³ (Respirable fraction) 50 mppcf (Silicates (less than 1% crystalline silica))

Cement, portland, chemicals (65997-15-1)	
Remark (OSHA)	Table Z-3. CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1 and OSHA Annotated Table Z-3 Mineral Dusts
USA - NIOSH - Occupational Exposure Limits	
Local name	Portland cement
NIOSH REL 10h TWA	10 mg/m ³ (Total dust) 5 mg/m ³ (Respirable fraction)
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 and OSHA Annotated Table Z-3 Mineral Dusts (NIOSH Pocket Guide to Chemical Hazards (NPG))
Wood flake	
USA - ACGIH - Occupational Exposure Limits	
Local name	Wood dusts, All other species
ACGIH® TLV® TWA	1 mg/m ³ (I - Inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: Pulm func; LRT & URT irr. Notations: Beech and oak = A1 (Confirmed Human Carcinogen). Birch, mahogany, teak, walnut = A2 (Suspected Human Carcinogen). Softwood = A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Wood dust
Cal/OSHA PEL (OEL TWA)	2 mg/m ³ (All soft and hard woods, except Western red cedar) 0.5 mg/m ³ (Western red cedar)
Cal/OSHA STEL	5 mg/m ³ (All soft and hard woods, except Western red cedar)
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)
Monitoring methods	
Monitoring methods	No additional information available.

8.2. Appropriate engineering controls

Appropriate engineering controls	: In case of dust production: Ensure good ventilation of the work station. Eyewash bottle with clean water.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Hand protection:
In case of dust production: Wear protective gloves to help prevent mechanical injury. ISO 23388. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer.
Eye protection:
In case of dust production: Use eye protection according to ISO 16321-1.
Skin and body protection:
In case of dust production: Long sleeved protective clothing.

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Respiratory protection:

In case of dust production: Wear suitable respiratory equipment in case of insufficient ventilation. Respirators may be required if respirable and total dust exposure limits are exceeded or irritation is experienced

Other information:

Do not eat, drink or smoke during use.

SECTION 9 Physical and chemical properties**9.1. Basic physical and chemical properties**

Physical state	: Solid
Appearance	: Sheet.
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: ≈ 8.7 10% solution in water
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: ≥ 1
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable
Explosion limits	: Not applicable
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity**10.1. Reactivity**

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid creating or spreading dust .

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 Toxicological information**11.1. Information on toxicological effects**

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Causes skin irritation. pH: ≈ 8.7 10% solution in water
Serious eye damage/irritation	: Causes serious eye irritation. pH: ≈ 8.7 10% solution in water
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: May cause cancer. Prolonged and/or massive exposure to fine fraction crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica On exposure to: dust

Quartz (14808-60-7)

IARC group	1 - Carcinogenic to humans
National Toxicity Program (NTP) Status	Known Human Carcinogens
In OSHA Hazard Communication Carcinogen list	Yes
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Causes damage to organs (respiratory system). May cause respiratory irritation. On exposure to: dust

Quartz (14808-60-7)

STOT-single exposure	Causes damage to organs.
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Cement, portland, chemicals (65997-15-1)

STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Causes damage to organs (respiratory system, kidneys) through prolonged or repeated exposure. On exposure to: dust

Quartz (14808-60-7)

STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

AWP

Viscosity, kinematic	Not applicable
Symptoms/effects	: In case of dust production: Causes damage to organs (respiratory system). Causes damage to organs (respiratory system, kidneys) through prolonged or repeated exposure. May cause cancer.
Symptoms/effects after inhalation	: In case of dust production: Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Symptoms/effects after skin contact	: In case of dust production: Causes skin irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: In case of dust production: Causes serious eye irritation.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12 Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Not a OSHA HazCom 2024 hazard endpoint

Hazardous to the aquatic environment, long-term (chronic) : Not a OSHA HazCom 2024 hazard endpoint

12.2. Persistence and degradability

AWP	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

AWP	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not a OSHA HazCom 2024 hazard endpoint

Fluorinated greenhouse gases : No

Other information : Avoid release to the environment.

SECTION 13 Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions and in accordance to local and regional legislation.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecological waste information : Avoid release to the environment.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated

DOT	TDG	IMDG	IATA
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
Not classified as dangerous in the meaning of transport regulations			

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT
Not regulated

TDG
Not regulated

IMDG
Not regulated

IATA
Not regulated

SECTION 15 Regulatory information

15.1. Federal regulations

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Quartz(14808-60-7)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Minnesota - Hazardous Substance List; U.S. - Massachusetts - Right To Know List; U.S. - Maine - Chemicals of Concern
Limestone(1317-65-3)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Minnesota - Hazardous Substance List; U.S. - Massachusetts - Right To Know List
Mica(12001-26-2)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Cement, portland, chemicals(65997-15-1)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Minnesota - Hazardous Substance List; U.S. - Massachusetts - Right To Know List

SECTION 16 Other information

according to US HazCom 2024

Revision date

: 24 June 2025

Issue date

: 24 June 2025

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.