Safety Data Sheet
acc. to OSHA HCS

Printing date 04/20/2023 *Version No. 2* *Reviewed on 04/20/2023*

*
1 Identification

· **Trade name: UZIN NC 890 Hydropatch**

· **Application of the substance / the mixture** Leveling Compound

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Uzin Utz North America Inc.
14509 E. 33rd. Place, Unit G
Aurora, CO 80011
Phone: +720-374-4810
Toll-Free: +1 866-505-4810
Fax: +1 720-374-2113

· **Information department:**
Product safety department
phone: 720-373-4810
email: safety.us@uzin-utz.com

· **Emergency telephone number:**
For Chemical Emergency Spill Leak Fire Exposure or Accident
Call CHEMTREC Day or Night: DOMESTIC NORTH AMERICA 800-424-9300
International, call +49 621 60 43 333

*
2 Hazard(s) identification

· **Classification of the substance or mixture**

GHS08 Health hazard

Carcinogenicity 1A	H350 May cause cancer. Route of exposure: Inhalation.
Specific Target Organ Toxicity - Repeated Exposure 1	H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

GHS05 Corrosion

Eye Damage 1	H318 Causes serious eye damage.

GHS07

Skin Irritation 2	H315 Causes skin irritation.
Specific Target Organ Toxicity - Single Exposure 3	H335 May cause respiratory irritation.

· **Label elements**
· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**

GHS05 GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
Portland cement

(Contd. on page 2)

Safety Data Sheet
acc. to OSHA HCS

Trade name: UZIN NC 890 Hydropatch

(Contd. of page 1)

Quartz (crystalline silica)

· **Hazard statements**
Causes skin irritation.
Causes serious eye damage.
May cause cancer. Route of exposure: Inhalation.
May cause respiratory irritation.
Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

· **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of soap and water.
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 eye irritation persists: Get medical advice/attention.
Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Information pertaining to particular dangers for man and environment:**

· **NFPA ratings (scale 0 - 4)**

Health = 2
Flammability = 0
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = 2
Flammability = 0
Reactivity = 0

· **Other hazards**
NFPA Rating Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe.
NFPA is the National Fire Protection Association.
HMIS Rating Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe.
HMIS®, the Hazardous Materials Identification System, is a registered mark of the National Paint and Coatings Association (NPCA).
** Chronic health effect possible - inhalation of silica dust may cause lung injury/disease (silicosis). Take appropriate measures to avoid breathing dust. See sections 3, 8 and 11.*

· **Results of PBT and vPvB assessment**
· **PBT:** *Not applicable.*
· **vPvB:** *Not applicable.*

*
3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** *Mixture of the substances listed below with nonhazardous additions.*

· **Hazardous ingredients:**		
CAS: 65997-15-1	*Portland cement* *Eye Damage 1, H318; Skin Irritation 2, H315; Specific Target Organ Toxicity - Single Exposure 3, H335*	*25-50%*
CAS: 7778-18-9	*Calcium sulphate*	*5-<10%*
CAS: 14808-60-7	*Quartz (crystalline silica)* *Carcinogenicity 1A, H350; Specific Target Organ Toxicity - Repeated Exposure 1, H372*	*1-<3%*

(Contd. on page 3)

Safety Data Sheet
acc. to OSHA HCS

Trade name: UZIN NC 890 Hydropatch

(Contd. of page 2)

· **Additional information:**
The exact percentages of the ingredients have been withheld by the manufacturer as trade secrets.
For the wording of the listed hazard phrases refer to section 16.

*
4 First-aid measures

· **Description of first aid measures**
· **General information:** No special measures required.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:**
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Call a doctor.
· **After swallowing:** Do not induce vomiting; immediately call for medical help.

· **Information for doctor:**
· **Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

*
5 Fire-fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:**
CO_2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **Special hazards arising from the substance or mixture** No further relevant information available.
· **Advice for firefighters**
· **Protective equipment:** Wear dust mask.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Wear dust mask.
Avoid formation of dust.
· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:**
Pick up mechanically.
Do not flush with water or aqueous cleansing agents
· **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
· **Protective Action Criteria for Chemicals**

· **PAC-1:**		
CAS: 14808-60-7	Quartz (crystalline silica)	0.075 mg/m³
CAS: 1305-62-0	calcium dihydroxide	15 mg/m³

· **PAC-2:**		
CAS: 14808-60-7	Quartz (crystalline silica)	33 mg/m³
CAS: 1305-62-0	calcium dihydroxide	240 mg/m³

(Contd. on page 4)

Safety Data Sheet
acc. to OSHA HCS

Trade name: UZIN NC 890 Hydropatch

(Contd. of page 3)

· **PAC-3:**		
CAS: 14808-60-7	Quartz (crystalline silica)	200 mg/m³
CAS: 1305-62-0	calcium dihydroxide	1,500 mg/m³

7 Handling and storage

· **Handling:**
· **Precautions for safe handling**
Prevent formation of dust.
Wear suitable protective clothing, gloves and eye/face protection.
Avoid contact with the eyes and skin.
When mixing wear suitable NIOSH-approved dust respirator.
Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment (e.g. NIOSH-approved dust respirator).
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
· **Information about protection against explosions and fires:** No special measures required.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** Keep receptacle tightly sealed.
· **Information about storage in one common storage facility:** Store away from foodstuffs.
· **Further information about storage conditions:**
Store in dry conditions.
Protect from humidity and water.
· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical systems:**
Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product.

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**	
CAS: 65997-15-1 Portland cement	
PEL	Long-term value: 50 mppcf or 15* 5** mg/m³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m³ *total dust **respirable fraction
TLV	Long-term value: 1* mg/m³ E; *as respirable fraction, A4
CAS: 7778-18-9 Calcium sulphate	
PEL	Long-term value: 15* 5** mg/m³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m³ *total dust **respirable fraction
TLV	Long-term value: 10* mg/m³ *as inhalable fraction

(Contd. on page 5)

Safety Data Sheet
acc. to OSHA HCS

Trade name: UZIN NC 890 Hydropatch

(Contd. of page 4)

CAS: 14808-60-7 Quartz (crystalline silica)	
PEL	Long-term value: 0.05* mg/m³ *resp. dust; 30mg/m3/%SiO2+2
REL	Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m³ *respirable particulate matter, A2

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Prevent formation of dust.
Avoid contact with the eyes and skin.
Wear suitable protective clothing, gloves and eye/face protection.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
· **Respiratory protection:**
When mixing wear suitable NIOSH-approved dust respirator.
Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment (e.g. NIOSH-approved dust respirator).
· **Protection of hands:**

Use nitrile impregnated cotton-gloves

· **Material of gloves** Nitrile impregnated cotton-gloves
· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:**

Safety glasses

*
9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Solid
Color:	Gray
· **Odor:**	Light
· **Odor threshold:**	Not determined.
· **pH-value at 20 °C (68 °F):**	~11
· **Change in condition**	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· **Flash point:**	>100 °C (>212 °F)
· **Flammability (solid, gaseous):**	Not determined.
· **Decomposition temperature:**	Not determined.

(Contd. on page 6)

Safety Data Sheet
acc. to OSHA HCS

Trade name: UZIN NC 890 Hydropatch

(Contd. of page 5)

· **Ignition temperature:**	Product is not selfigniting.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	Not determined.
Upper:	Not determined.
· **Vapor pressure:**	Not applicable.
· **Density:**	Not determined.
· **Relative density**	Not determined.
· **Vapor density**	Not applicable.
· **Evaporation rate**	Not applicable.
· **Solubility in / Miscibility with**	
Water:	Insoluble. Sets with water.
· **Partition coefficient (n-octanol/water):**	Not determined.
· **Viscosity:**	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· **Other information**	No further relevant information available.

10 Stability and reactivity

· **Reactivity** No further relevant information available.
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known.

*
11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**
· **Specific symptoms in biological assay:**
· **Primary route(s) of entry:** Inhalation, skin contact, eye contact, ingestion.

· **Primary irritant effect:**
· **on the skin:** Irritant to skin and mucous membranes.
· **on the eye:** Strong irritant with the danger of severe eye injury.
· **Sensitization:**
No sensitizing effects known.
Low in Chromate (< 2 ppm) acc. Regulation (EC) No 1907/2006 (REACH).
· **Subacute to chronic toxicity:**
Respirable crystalline silica (quartz) may cause a severe lung desease named silicosis. Symptoms of silicosis may be a shortness of breath, fever or cough. Silicosis is reported to increase the risk of carcinogenicity caused by continuous inhalation of respirable crystalline silica. Though the product itself contains less than 0.1% of respirable crystalline silica, respirable silica may be generated from working procedures such as grinding e.g. In general, inhalation of silica dust should be avoided. Therefore, for your own safety wear a suitable NIOSH-approved respirator in all occasions when handling of the product generates dust.

· **Additional toxicological information:** Carcinogenic.

(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

Trade name: UZIN NC 890 Hydropatch

(Contd. of page 6)

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**		
CAS: 14808-60-7	Quartz (crystalline silica)	1

· **NTP (National Toxicology Program)**		
CAS: 14808-60-7	Quartz (crystalline silica)	K

· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
Carcinogenicity 1A

12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Behavior in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**
· **General notes:** Do not allow product to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**
· **Recommendation:**
Do not allow product to reach sewage system.
Mix product residues with water, allow to harden, then dispose of as construction waste.

· **Uncleaned packagings:**
· **Recommendation:** Empty paper packaging is recyclable.

14 Transport information

· **DOT, ADR, ADN, IMDG, IATA**	Void
· **UN proper shipping name**	
· **DOT, ADR, ADN, IMDG, IATA**	Void
· **DOT, ADN, IMDG, IATA**	
· **Class**	Void
· **DOT, IMDG, IATA**	Void
· **Environmental hazards:**	
· **Marine pollutant:**	No
· **Special precautions for user**	Not applicable.
· **Transport/Additional information:**	Not regulated as hazardous material according to the above specifications.

(Contd. on page 8)

Safety Data Sheet
acc. to OSHA HCS

Trade name: UZIN NC 890 Hydropatch

(Contd. of page 7)

· **UN "Model Regulation":** Void

*
15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **SARA (Superfund Amendments and Reauthorization Act)**

· **EPCRA Section 302 (Extremely Hazardous Substances):**
None of the ingredient is listed.

· **SARA Title III Section 313 (Toxic Release Inventory - TRI):**
None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**
All components have the value ACTIVE.

· **Hazardous Air Pollutants**
None of the ingredients is listed.

· **Proposition 65 (California)**
· **Chemicals known to cause cancer:**
Crystalline silica (quartz) is classified as a substance known to the State of California to be a carcinogen.

CAS: 14808-60-7	Quartz (crystalline silica)

· **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**
None of the ingredients is listed.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**
None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

CAS: 14808-60-7	Quartz (crystalline silica)	A2

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

CAS: 14808-60-7	Quartz (crystalline silica)

*
16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H350 May cause cancer.
H372 Causes damage to organs through prolonged or repeated exposure.

· **Contact:**
Product safety department
phone: 720-373-4810
email: safety.us@uzin-utz.com

(Contd. on page 9)

Safety Data Sheet
acc. to OSHA HCS

Trade name: UZIN NC 890 Hydropatch

(Contd. of page 8)

· **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Irritation 2: Skin corrosion/irritation – Category 2
Eye Damage 1: Serious eye damage/eye irritation – Category 1
Carcinogenicity 1A: Carcinogenicity – Category 1A
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3
Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) – Category 1

· **** Data compared to the previous version altered.***