

SECTION 1: IDENTIFICATION

Trade name: nora® L 1000

- Application of the substance / the mixture: High performance self-levelling compound
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
nora systems, Inc.
9 Northeastern Blvd.
Salem, NH 03079
Toll-Free: 800-332-NORA
- Information department: see Manufacturer/Supplier
- Emergency telephone number: 800-424-9300 CHEMTREC

SECTION 2: HAZARD(S) IDENTIFICATION

- Classification of the substance or mixture



GHS08 Health hazard

Carc. 1A H350 May cause cancer. Route of exposure: Inhalation.

STOT RE 1 H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.

- Label elements

- GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

- Hazard pictograms GHS05, GHS08

- Signal word Danger

- Hazard-determining components of labeling:

Quartz (crystalline silica)

Portland cement

- Hazard statements

Causes serious eye damage.

May cause cancer. Route of exposure: Inhalation.

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.

nora® L 1000

Safety Data Sheet

acc. to OSHA HCS

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

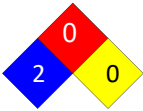
If exposed or concerned: Get medical advice/attention.

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.

· NFPA ratings (scale 0 - 4)



Health = 2

Flammability = 0

Reactivity = 0

· HMIS-ratings (scale 0 - 4)

HEALTH	2
FIRE	0
REACTIVITY	0

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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

· Chemical characterization: Mixtures

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

· Hazardous ingredients:		
CAS: 14808-60-7	Quartz (crystalline silica)	25 - 50%
	⚠ Carc. 1A, H350; STOT RE 1, H372	
CAS: 65997-15-1	Portland cement	5 - <10%
	⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335	
CAS: 7778-18-9	Calcium sulphate (gypsum)	5 - <10%

nora® L 1000

Safety Data Sheet

acc. to OSHA HCS

· Additional information:

The exact percentages of the ingredients have been withheld by the manufacturer as trade secrets.

The amount of respirable crystalline silica is less than 0.1 %.

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: FIRST-AID MEASURES

· Description of first aid measures

· 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.

SECTION 5: FIRE-FIGHTING MEASURES

· Extinguishing media

· Suitable extinguishing agents:

CO₂, 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: No special measures required.

SECTION 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

· PAC-2:

nora® L 1000

Safety Data Sheet

acc. to OSHA HCS

CAS: 14808-60-7 Quartz (crystalline silica) 33 mg/m³

· PAC-3:

CAS: 14808-60-7 Quartz (crystalline silica) 200 mg/m³

SECTION 7: HANDLING AND STORAGE

· Handling:

· Precautions for safe handling

Prevent formation of dust.

Wear suitable protective clothing, gloves and eye/face 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).

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes and skin.

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.

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

PEL see Quartz listing

REL Long-term value: 0.05* mg/m³

*respirable dust; See Pocket Guide App. A

TLV Long-term value: 0.025* mg/m³

*as respirable fraction

CAS: 65997-15-1 Portland cement

nora® L 1000

Safety Data Sheet

acc. to OSHA HCS

PEL	Long-term value: 50 mppcf or 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	Long-term value: 1* mg/m ³ E; *as respirable fraction
CAS: 7778-18-9 Calcium sulphate (gypsum)	
PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	Long-term value: 10* mg/m ³ *as inhalable fraction

- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
 - Prevent formation of dust.
 - Wear suitable protective clothing, gloves and eye/face protection.
 - Keep away from foodstuffs, beverages and feed.
 - Avoid contact with the eyes and skin.
 - 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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Information on basic physical and chemical properties
- General Information
- Appearance:

Form:	Solid
Color:	Gray
Odor:	Light
- pH-value at 20 °C (68 °F): 11

nora® L 1000

Safety Data Sheet

acc. to OSHA HCS

· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· Flash point:	Not applicable.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density:	Not determined.
· Solubility in / Miscibility with	
Water:	Insoluble.
· Other information	No further relevant information available.

SECTION 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.

SECTION 11: TOXICOLOGICAL INFORMATION

- Information on toxicological effects
- Acute toxicity:
- Specific symptoms in biological assay:
- Primary route(s) of entry: Inhalation, skin contact, eye contact.
- Primary irritant effect:
- on the skin: Slightly irritant effect may occur.
- 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:
The amount of respirable cristalline silica is less than 0.1 %.
Respirable crystalline silica (quartz) may cause a severe lung disease 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.
- 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

nora® L 1000

Safety Data Sheet

acc. to OSHA HCS

· OSHA-Ca (Occupational Safety & Health Administration)	
CAS: 14808-60-7	Quartz (crystalline silica)

- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Carc. 1A

SECTION 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.

SECTION 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.

SECTION 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
· UN "Model Regulation":	Void

SECTION 15: REGULATORY INFORMATION

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

nora® L 1000

Safety Data Sheet

acc. to OSHA HCS

· 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 ingredients are 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 established by ACGIH)		
CAS: 14808-60-7	Quartz (crystalline silica)	A2
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
CAS: 14808-60-7	Quartz (crystalline silica)	

- GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

- Hazard pictograms GHS05, GHS08

- Signal word Danger

- Hazard-determining components of labeling:

Quartz (crystalline silica)

Portland cement

- Hazard statements

Causes serious eye damage.

May cause cancer. Route of exposure: Inhalation.

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.

SECTION 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.

· Contact: see Manufacturer/Supplier

· Date of preparation / last revision: 11/21/2017

· Abbreviations and acronyms:

ADR: Accord européen sur le transport 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

ACGIH: American Conference of Governmental Industrial Hygienists

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 Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Carc. 1A: Carcinogenicity – Category 1A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1