

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: nora® 1-component cold weld, nora® cold weld

1.2. Intended Use of the Product

Recommended Use: Joint sealant, solvent-free gem. Technical Rule 610.

1.3. Name, Address, and Telephone of the Responsible Party

Company

nora systems, Inc.
9 Northeastern Blvd
Salem, NH 03079
T 800-332-NORA
www.nora.com/us

1.4. Emergency Telephone Number

Emergency Number: 800-424-9300 CHEMTREC (USA)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

This product is not classified according to the Globally Harmonized Systems (GHS).

2.2. Label Elements

GHS-US Labeling: Void

Hazard Pictograms (GHS-US): Void

Signal Word (GHS-US): Void

Hazard Statements (GHS-US): Void

Classification System:

NFPA ratings (scale 0-4)



Health = 0

Fire = 0

Reactivity = 0

HMIS ratings (scale 0-4)



Health = *0

Fire = 0

Reactivity = 0

2.3. Other Hazards

Results of PBT and vPvB assessment:

PBT: This mixture does not contain substances that meet the PBTB criteria of REACH, Annex XIII.

vPvB: This mixture does not contain substances that meet the vPvB criteria of REACH, Annex XIII.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixtures

Description: Joint sealant, solvent-free gem. Technical Rule 610.

Dangerous Components:		
Polyether	9003-13-8	< 25%
trimethoxyvinylsilane	2768-02-7	< 5%

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reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate	125643-61-0	< 0.5%
Bis(1,2,2,6,6-pentamethyl-4-piperidiny)sebacate	41556-26-7	< 0.1%
calcium carbonate	471-34-1	> 50%

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

General: No special measures required.

Inhalation: Supply fresh air.

Skin Contact: Generally the product does not irritate the skin.

Eye Contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

Ingestion: Do not induce vomiting; immediately call for medical help. If symptoms persist consult doctor.

4.2. Most Important Symptoms and Effects, both Acute and Delayed

No further relevant information available.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

No further relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable Extinguishing Media: Water with full jet.

5.2. Special Hazards Arising From the Chemical

No further relevant information available.

5.3. Advice for Fire-Fighters

Protective equipment: Mouth respiratory protective device.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Not required.

6.2. Environmental Precautions

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

6.3 Methods and Material for Containment and Cleaning Up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.5. 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.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Keep receptacles tightly sealed. Store in cool, dry place in tightly closed receptacles.

7.2. Information About Protection Against Explosions and Fires

No special measures required.

7.3 Conditions for Safe Storage, Including Any Incompatibilities

Requirements to be met by storerooms and receptacles: Store only in unopened original receptacles.

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Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions: Protect from heat and direct sunlight. Store in cool, dry conditions in well-sealed receptacles. Protect from frost.

7.4. Specific End Use(s)

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Additional information about design of technical systems

No further data; see item 7.

8.2 Control Parameters

Components with limit values that require monitoring at the workplace: Reactive silane compound

WEL 270 mg / m³, 200 ml / m³

(Methanol)

471-34-1 calcium carbonate	
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	TLV withdrawn

Additional information: The lists that were valid during the creation were used as basis.

8.3 Exposure Controls

Appropriate Engineering Controls: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

Personal Protective Equipment: Gloves. Protective clothing.



Respiratory Protection: Occupational exposure limits (OEL) are demonstrably maintained during application. Therefore, no respiratory protection is necessary.

Hand Protection: Preventive skin protection by use of skin-protecting agents is recommended.

Materials for gloves: Butyl rubber, BR. When wearing protective gloves cotton glove liners are recommended. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

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. For a selection of suitable gloves under consideration of the glove material and the operating conditions can be accessed on the gloves database under the GISBAU www.wingisonline.de/handschuhe/frmStart.aspx

Eye Protection: Not required.

Skin and Body Protection: Protective work clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	Pasty
Appearance	Color is different according to coloring
Odor	Weak, characteristic
Odor Threshold	Not determined
pH-value at 68 °F (20 °C)	7 (DIN 19261)
Evaporation Rate	Not available

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Melting Point/Range	Undertermined
Boiling Point/Range	212 °F (100 °C) (DIN 51751)
Flash Point	Not applicable
Ignition Temperature	743 °F (395 °C) (DIN 51974)
Auto-ignition Temperature	Product is not self-igniting
Decomposition Temperature	Not determined
Flammability (solid, gas)	Not applicable
Danger of Explosion	Product does not present an explosion hazard
Lower Explosion Limit	Not determined
Upper Explosion Limit	Not determined
Vapor Pressure at 68 °F (20 °C)	1 hPa (1 mm Hg) (DIN 51640)
Density at 68 °F (20 °C)	1.62 g/cm ³ (13.519 lbs/gal) (DIN EN ISO 2811-1)
Relative Density	Not determined
Vapor Density	Not determined
Evaporation Rate	Not determined
Solubility in/Miscibility with Water	Dispersible
Partition Coefficient: N-Octanol/Water	Not determined
Viscosity Dynamic at 68 °F (20 °C)	350000 mPas (DIN 53019)
Viscosity Kinematic	Not determined
Solvent Content:	
Organic Solvents	0.0 %
VOC Content (SCAQMD Rule 1168)	0.0 g/l / 0.00 lb/gl
Other Information	No further relevant information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: No further relevant information available.

10.2. Chemical Stability:

Thermal decomposition / conditions to be avoided: Product hydrolyzes to form methanol on exposure to water or humid air.

10.3. Possibility of Hazardous Reactions: No dangerous reactions known.

10.4. Conditions to Avoid: No further relevant information available.

10.5. Incompatible Materials: No further relevant information available.

10.6. Hazardous Decomposition Products: Methanol possible in traces.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity:

LD50 and LC50 Data:

471-34-1 calcium carbonate	
LD50 Oral Rat	6450 mg/kg
9003-13-8 Polyether	
LD50 Oral Rat	> 2000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
2768-02-7 trimethoxyvinylsilane	

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LD50 Oral Rat	7340 mg/kg
LD50 Dermal Rabbit	3360 mg/kg
LC50/4 h Inhalative Rat	16.8 mg/l
125643-61-0 reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate	
LD50 Oral Rat	> 2000 mg/kg (OECD-Richtlinie 401)
LD50 Dermal Rat	> 2000 mg/kg (OECD Richtlinie 402)
41556-26-7 Bis(1,2,2,6,6-pentamethyl-4-piperidinyl)sebacate	
LD50 Oral Rat	2615 mg/kg

11.2. Primary Irritant Effect

On the skin: Irritant to skin and mucous membranes.

On the eye: No irritating effect.

Sensitization: No sensitizing effects known.

11.3. Additioanl Toxilogical Information

The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

11.4. Carcinogenic Categories

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

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

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic Toxicity

125643-61-0 reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate	
LC50/96h	>74 mg/l (.) (Brachydanio rerio)
EC50/3h	>100 mg/l (.) (Belebtschlamm)
EC50	>100 mg/l (daphnia) (Daphnia magna)
EC50/72h	>3 mg/l (.) (Scenedesmus sp.)
EC50 (14 d)	>1000 mg/kg (.) (Eisenia foetida)
EC50 (19 d)	>100 mg/kg (.) (Terrestrische Pflanzen: Brassica rapa)
NOEC	>1 mg/l (daphnia) (Daphnia magna)
NOEC (56d)	250 mg/kg (.) (Eisenia foetida)
NOEC (28 d)	31.6 mg/l (.) (Boden-Mikroorganismen)
41556-26-7 Bis(1,2,2,6,6-pentamethyl-4-piperidinyl)sebacate	
LC50/96h	0.97 mg/l (fish) (Lepomis macrochirus)

12.2. Persistence and Degradability No further relevant information available. The product is not easily biodegradable.

12.3. Bioaccumulative Potential No further relevant information available.

12.4. Mobility in Soil No further relevant information available.

12.5. Additional Ecological Information

General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.6. Results of PBT and vPvB assessment

PBT: This mixture does not contain substances that meet the PBT criteria of REACH, Annex XIII.

vPvB: This mixture does not contain substances that meet the vPvB criteria of REACH, Annex XIII.

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12.7. Other Adverse Effects No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recommendation: Let product residues harden in open container, then dispose of as construction waste. Smaller quantities can be disposed of with household waste.

13.2. Uncleaned packaging

Recommendation: Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning.

SECTION 14: TRANSPORT INFORMATION

UN-Number: DOT, ADR, ADN, IMDG, IATA	Void
UN proper shipping name: DOT, ADR, ADN, IMDG, IATA	Void
Transport hazard class(es): DOT, ADR, ADN, IMDG, IATA Class	Void
Packing group: DOT, ADR, IMDG, IATA	Void
Environmental hazards: Marine pollutant:	Void
Special precautions for user	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
UN "Model Regulation"	Void

SECTION 15: REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

SARA Section 355 Extremely Hazardous Substances	None of the ingredients listed
SARA Section 313 Specific Toxic Chemical Listings	None of the ingredients listed
TCA (Toxic Substances Control Act)	
471-34-1	calcium carbonate
9003-13-8	Polyether
2768-02-7	trimethoxyvinylsilane
125643-61-0	reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate
41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidinyl)sebacate
Proposition 65	
Chemicals known to cause cancer:	None of the ingredients is listed.
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.
Carcinogenic Categories	
EPA (Environmental Protection Agency)	None of the ingredients is listed.
TLV (Threshold Limit Value established by ACGIH)	None of the ingredients is listed.
NIOSH-Ca (National Institute for Occupational Safety and Health)	None of the ingredients is listed.

GHS-US Labeling: Void

Hazard Pictograms: Void

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Signal Word: Void

Hazard Statements: Void

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date: 02/12/2016

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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 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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50

LD50: Lethal dose, 50 percent

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

* Data compared to the previous version altered.

Party Responsible for the Preparation of This Document

nora systems, Inc.

T 800-332-NORA

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.

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