

nora AC MR95 Adhesive

Safety Data Sheet

acc. to OSHA 29 CFR 1910.1200

Revision date: 01/01/2022 Supersedes date: n/a

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SECTION 1: IDENTIFICATION

Product name: nora® AC MR95™

Recommended use: Adhesive.

Details of the supplier of the safety data sheet:

- Responsible Party:
nora systems, Inc.
9 Northeastern Blvd.
Salem, NH 03079
T: +1.800.332.NORA

Information department: see Responsible Party.

Emergency telephone number:

- CHEMTREC (Transport/Environmental) 1.800.424.9300 / (Outside U.S.) 1.703.527.3887
- Rocky Mountain Poison Center: 1.866.767.5089

SECTION 2: HAZARD(S) IDENTIFICATION

Classification of the substance or mixture:

- Not a dangerous substance or mixture according to OSHA 29 CFR 1910.1200.

Hazards not otherwise classified (HNOC):

- Not applicable.

Label Elements:

- Emergency Overview:
Not a dangerous substance or mixture according to OSHA 29 CFR 1910.1200.
Appearance: Liquid
Physical state: Liquid
Odor: No information available.

Other information:

- No information available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances:

- Not applicable

Mixture:

Chemical name	CAS No	Weight-%
Glass, oxide, chemicals	65997-17-3	10 - 30

**The exact percentage (concentration) of composition has been withheld as a trade secret*

SECTION 4: FIRST-AID MEASURES

Description of first aid measures:

- Inhalation: Remove to fresh air. If symptoms persist, call a physician.
- Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
- Skin contact: Wash with plenty of water. Get medical attention if irritation develops and persists.
- Ingestion: Clean mouth with water. Never give anything by mouth to an unconscious person. If swallowed, call a poison control center or physician immediately.

nora AC MR95 Adhesive

Safety Data Sheet

acc. to OSHA 29 CFR 1910.1200

Most important symptoms and effects, both acute and delayed:

- Symptoms: No information available.

Indications of any immediate medical attention and special treatment needed:

- Note to physicians: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media:

- Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Large Fire: CAUTION: Use of water spray when fighting fire may be inefficient.
- Unsuitable extinguishing media: Do not scatter spilled material with high pressure water streams.

Special hazards arising from the substance or mixture:

- Specific hazards arising from the chemical: No information available.
- Hazardous combustion products: Silicon dioxide.

Explosion data:

- Sensitivity to mechanical impact: None.
- Sensitivity to static discharge: None.

Advice for firefighters:

- Special protective equipment for fire-fighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:

- Personal precautions: Use personal protective equipment as required. Ensure adequate ventilation. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling.

Environmental precautions:

- Environmental precautions: Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up:

- Methods for containment: Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).
- Methods for cleaning up: Use personal protective equipment as required. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

Reference to other sections: See section 8 for more information. See section 13 for more information.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:

- Advice on safe handling: Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, or smoke when using this product. Ensure adequate ventilation. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities:

- Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Keep from freezing.
- Recommended storage temperature: Do not freeze. Keep at temperatures between 41 and 95 °F / 5 and 35 °C.

References to other sections: Section 10: STABILITY AND REACTIVITY. Section 13: DISPOSAL CONSIDERATIONS.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

nora AC MR95 Adhesive

Safety Data Sheet

acc. to OSHA 29 CFR 1910.1200

Control parameters:

- Exposure Limits: This product contains substances which in their raw state are powder form, however in this product they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Glass, oxide, chemicals 65997-17-3	TWA: 1 fiber/cm ³ respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination TWA: 5 mg/m ³ inhalable particulate matter	-	-

Chemical name	Argentina	Brazil	Chile	Colombia
Glass, oxide, chemicals 65997-17-3	TWA: 1 fiber/cm ³ TWA: 5 mg/m ³	TWA: 1 fiber/cm ³	-	TWA: 1 fiber/cm ³ TWA: 5 mg/m ³

Chemical name	Costa Rica	Peru	Uruguay	Venezuela
Glass, oxide, chemicals 65997-17-3	TWA: 1 fiber/cm ³ TWA: 5 mg/m ³	-	1 fiber/cm ³ TWA (respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination, listed under Synthetic vitreous fibers); 5 mg/m ³ TWA (inhalable particulate matter, listed under Synthetic vitreous fibers)	-

Exposure controls:

Appropriate engineering controls:

- Engineering controls: Showers, Eyewash stations, Ventilation systems.

Individual protection measures, such as personal protective equipment:

- Eye/face protection: Wear safety glasses with side shields (or goggles).
- Hand protection: Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.
- Skin and body protection: Wear suitable protective clothing.
- Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
- General hygiene considerations: Wear suitable gloves and eye/face protection. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, or smoke when using this product. Avoid contact with skin, eyes, or

nora AC MR95 Adhesive

Safety Data Sheet

acc. to OSHA 29 CFR 1910.1200

clothing. Wash thoroughly after handling. Take off contaminated clothing and wash it before reuse. Regular cleaning of equipment, work area and clothing is recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

- Physical state: Liquid
- Appearance: Liquid
- Color: No information available.
- Odor: No information available.
- Odor: threshold No information available.

Property	Values	Remarks / Method
pH	No data available.	None known.
pH (as aqueous solution)	No data available.	None known.
Melting point / freezing point	No data available.	None known.
Initial boiling point and boiling range	No data available.	None known.
Flash point	> 100 °C / 212 °F	
Evaporation rate	No data available.	None known.
Flammability	Not applicable for liquids.	
Flammability Limit in Air		None known.
Upper flammability or explosive limits	No data available.	
Lower flammability of explosive limits	No data available.	
Vapor pressure	No data available.	None known.
Relative vapor density	No data available.	None known.
Water solubility	No data available.	None known.
Solubility(ies)	No data available.	None known.
Partition coefficient	No data available.	None known.
Autoignition temperature	No data available.	None known.
Decomposition temperature	No data available.	None known.
Kinematic viscosity	No data available.	None known.
Dynamic viscosity	No data available.	None known.

Other information:

- Explosive properties: No information available.
- Oxidizing properties: No information available.
- Solvent content (%): No information available.
- Solid content (%): No information available.
- Softening Point: No information available.
- Molecular weight: No information available.
- VOC Content (%): 4.36% 45.8g/L No Information available.
- Density: 1.02
- Bulk density: No information available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No information available.

Chemical stability: Stable under normal conditions.

nora AC MR95 Adhesive

Safety Data Sheet

acc. to OSHA 29 CFR 1910.1200

Possibility of hazardous reactions: None under normal processing.

Conditions to avoid: Do not freeze.

Incompatible materials: None known based on information supplied.

Hazardous decomposition products: None known based on information supplied.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects:

- Inhalation: Based on available data, the classification criteria are not met.
- Eye contact: Based on available data, the classification criteria are not met.
- Skin contact: Based on available data, the classification criteria are not met.
- Ingestion: Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical, and toxicological characteristics:

- Symptoms: No information available.

Acute toxicity:

Numerical measures of toxicity:

Component Information:

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Glass, oxide, chemicals 65997-17-3	>2000 mg/Kg Rat	-	LC50 > 0.691 mg/l (Rattus) 4-Hr

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

- Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitization: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met. The components of this product are inextricably bound in a polymer matrix and are not expected to be available as airborne hazards (dust, mist, or spray) under normal condition of use.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Glass, oxide, chemicals 65997-17-3	-	Group 3	-	-

Legend:

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT - single exposure: Based on available data, the classification criteria are not met.
- STOT - repeated exposure: Based on available data, the classification criteria are not met.
- Aspiration hazard: Based on available data, the classification criteria are not met.
- Other adverse effects: No information available.
- Interactive effects: No information available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:

- Ecotoxicity

Persistence and degradability: No information available.

nora AC MR95 Adhesive

Safety Data Sheet

acc. to OSHA 29 CFR 1910.1200

Bioaccumulative potential:

- Bioaccumulation: There is no data for this product.
- Component Information:

Mobility in soil: No information available.

Other adverse effects: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods:

- Waste from residues/unused products: It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.
- Contaminated packaging: Dispose of in accordance with federal, state, and local regulations.

SECTION 14: TRANSPORT INFORMATION

Note: Keep from freezing.

DOT: Not regulated.

IATA: Not regulated.

IMDG: Not regulated.

SECTION 15: REGULATORY INFORMATION

International Inventories:

TSCA	Listed
DSL	Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substances List

Listed - The components of this product are either listed or exempt from listing on inventory.

Not Listed - One or more components of this product are not listed on inventory.

US Federal Regulations:

SARA 313:

- Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories:

- Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

Europe:

- Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU: This product does not contain Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) above the regulated limit mentioned in this regulation. This document is based on the information given to us by our own suppliers at the date of this document.

SVHC:

- Substances of Very High Concern for Authorization: This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59).

nora AC MR95 Adhesive

Safety Data Sheet

acc. to OSHA 29 CFR 1910.1200

SECTION 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet:

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Contact: see Responsible Party

Revision date: 01/14/2022

Revision note: No information available.

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

End of Safety Data Sheet