

**Material Safety Data Sheet: nora<sup>®</sup> Quickfix Tape**

Date: 1-11-2011

**1) Chemical Product and Company Identification****Product details:**

Manufacturer/Supplier:  
nora systems, Inc.  
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01843 USA  
Phone: (978) 689-0530  
Fax: (978) 687-4640  
www.nora.com/us

Emergency Phone: 800-424-9300 (CHEMTREC)  
Trade Name and Synonyms: nora Quickfix Tape  
Product Description: High-performance dry adhesive for norament ingresso

**2) Composition/Information on Ingredients**

**Information pertaining to particular dangers for man and environment:** The product does not have to be labeled.

**NFPA ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

**HMIS-ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

**Additional information:**

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<sup>®</sup>, the Hazardous Materials Identification System, is a registered mark of the National Paint and Coatings Association (NPCA).

**3) Hazardous Identifications****Chemical characterization**

**Description:** Polyethylene film and polyacrylate double sided tape

**Dangerous components:** Void

**4) First Aid Measures**

**General information:** No special measures required.

**After inhalation:** No particular measures necessary. Supply fresh air.

**After skin contact:** After finishing work, and before meals, wash the skin with soap and water.

**After eye contact:** In case of persistent irritation, obtain medical advice.

**After swallowing:** Seek immediate medical advice.

**Information for doctor:** Dry adhesive on the basis of polyacrylates and polyacrylate copolymers.

## 5) Fire-Fighting Measures and Fire Hazards

**Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:** None known

**Special hazards caused by the material, its products of combustion or resulting gases:** In cases of fire, gases that are dangerous to health could be formed.

**Protective equipment:** Wear self-contained respiratory protective device.

## 6) Accidental Release Measures (Spills or Leaks)

**Person-related safety precautions:** Not required.

**Measures for environmental protection:** No special measures required.

**Measures for cleaning/collecting:** No special measures required.

## 7) Handling and Storage

**Handling:**

**Information for safe handling:** No special measures required.

**Information about protection against explosions and fires:** No special measures required.

**Storage:**

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** Store in dry conditions. Protect from humidity and water. Store in a cool place. Protect from heat and direct sunlight.

## 8) Exposure Controls, Personal Protection

**Additional information about design of technical systems:** No further data; see item 7.

**Components with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Personal protective equipment:**

**General protective and hygienic measures:** No special measures required. Do not eat or drink while working. Wash hands before breaks and at the end of work.

**Breathing equipment:** Not required.

**Protection of hands:** Not required.

**Material of gloves:** Not required.

**Penetration time of glove material:** Not applicable.

**Eye protection:** Not required.

## 9) Physical and Chemical Properties

**General Information:**

**Form:** Solid

**Color:** colorless

**Odor:** slight odor

**Change in condition:**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** Not applicable

**Flash point:** Not applicable.

**Auto igniting:** Not applicable

**Danger of explosion:** Product does not present an explosion hazard.

**Density at 68°F (20°C):** ~ 1.0 g/cm<sup>3</sup>

**Solubility in / Miscibility with****Water:** Insoluble.**pH-value:** Not applicable**10) Stability and Reactivity****Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**Dangerous reactions** No dangerous reactions known.**Dangerous products of decomposition:** No dangerous decomposition products known.**11) Toxicological Information****Acute toxicity:****Specific symptoms in biological assay:****Primary route(s) of entry:** Skin contact, eye contact.**Primary irritant effect:****On the skin:** No irritant effect.**On the eye:** No irritant effect.**Sensitization:** No sensitizing effects known.**Additional toxicological 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.**12) Ecological Information****Information about elimination (persistence and degradability):** Moderately /partly biodegradable**Ecotoxic effects:** No ecotoxic effects known.**13) Disposal Considerations****Product:****Recommendation:** On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste. Disposal should be in accordance with local, state or national legislation.**Unclean packaging:****Recommendation:** Packaging may be recycled.**14) Transportation Information****DOT regulations:****Hazard class:** ---**Maritime transport IMDG:---****IMDG Class:** ----**Marine pollutant:** No**Air transport ICAO-TI and IATA-DGR:---****ICAO/IATA Class:** ----**Transport/Additional information:** Not regulated as hazardous material according to the above specifications.**15) Regulator Information****Product related hazard information:** Observe the general safety regulations when handling chemicals. The product is not subject to regulations on classification, packaging and labeling according to EC-directives on hazardous materials.

## 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.

All employees or contractors, etc., who use this product must have access to this Material Safety Data Sheet.

**PREPARED BY:** nora systems, Inc.

## 17) Definitions

**ACGIH** : American Conference of Governmental Industrial Hygienists.

**ASPIRATION HAZARD:** The danger of drawing material into the lungs, leading to an inflammatory response that can be fatal.

**CFR:** Code of Federal Regulations (U.S.). A collection of regulations established by law.

**CARCINOGEN:** A material that either causes cancer in humans, or is considered capable of causing cancer in humans.

**COMBUSTIBLE:** A term used to classify certain materials with low flash points that ignite easily. For OSHA it has a flash point greater than 100°F (38°C) but below 200°F (93°C).

**DOT:** U.S. Dept. of Transportation.

**FLAMMABLE:** A material that gives off vapors that readily ignites at room temperatures. OSHA defines flammable as a material with a flash point less than 100°F (38°C).

**FLASH POINT:** The lowest point at which a liquid gives off sufficient vapor to form an ignitable mixture with air.

**HAZARDOUS:** Any substance or mixture of substances having properties capable of producing adverse effects on the health or safety of a human.

**IARC:** International Agency for Research on Cancer.

**IRRITANT:** A substance capable of causing an inflammatory effect on living tissue by chemical action at the site of contact.

**LD50:** Lethal Dose 50. The single dose of a substance that causes death of 50% of an animal population from exposure to the substance from any route other than inhalation.

**LEL:** Lower Explosive Limit. The lowest concentration of vapor that burns or explodes when an ignition source is present at ambient temperatures.

**LFL:** Lower Flammable Limit. See L.E.L.

**MSHA:** Mine Safety and Health Administration (U.S.).

**NFPA:** National Fire Protection Association (U.S.).

**NIOSH:** National Institute of Occupational Safety and Health (U.S.).

**NTP:** National Toxicology Program (U.S.).

**OECD:** Organization for Economic Co-operation and Development.

**OSHA:** The Occupational Safety and Health Administration (U.S.).

**PEL-STEL:** Permissible Exposure Limit, Short Term Exposure Limit.

**SCBA:** Self-contained breathing apparatus.

**SYSTEMIC TOXICITY:** Adverse effects induced by a substance which affects the body in a general manner rather than locally.

**TDG:** Transportation of Dangerous Goods (Canada).

**TLV-TWA:** Threshold Limit Value, Time Weighted Average.

**TSCA:** Toxic Substance Control Act.

**TOXIC:** Any chemical or material that has evidence of an acute or chronic health hazard and is listed in the NIOSH Registry of Toxic Effects of Chemical Substances.

**VHAP:** Volatile Hazardous Air Pollutant

**V.O.C.:** Volatile Organic Compound.

**WHMIS:** Workplace Hazardous Materials Information System (Canada).