

SAFETY DATA SHEET



Novalis NFA-T226 LVT,LVP Adhesive

Version 1.0 Revision Date: 05/21/2015 MSDS Number: Date of last issue: -
Date of first issue: 05/21/2015

SECTION 1. IDENTIFICATION

Product name : Novalis NFA-T226 LVT,LVP Adhesive
Product code :

Manufacturer or supplier's details

Company name of supplier : Novalis International, LTD
Address : 55 West Beaver Creek Road, Unit 29
Richmond Hill, Ontario Canada L4B 1K5
Telephone : (866) 668-2547
Telefax :
Emergency telephone number : (CHEMTREC): (800) 424-9300 (CHEMTREC International):
(703) 527-3887 Industrial Health/Spill Emergency: (706) 277-1300 Danny Welch (ehs@trcc.com)

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
None		

SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air in case of accidental inhalation of vapours.
Oxygen or artificial respiration if needed.
Call a physician or poison control centre immediately.

In case of skin contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
If skin irritation persists, call a physician.

In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Keep eye wide open while rinsing.
Seek medical advice.

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If swallowed : Do not induce vomiting without medical advice.
If conscious, drink plenty of water.
Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed : None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Foam
Carbon dioxide (CO₂)
ABC powder
Water mist

Specific hazards during fire-fighting : Burning produces irritant fumes.
Exposure to decomposition products may be a hazard to health.
Cool closed containers exposed to fire with water spray.
Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Hazardous decomposition products due to incomplete combustion

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.
Exposure to decomposition products may be a hazard to health.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Ensure adequate ventilation.
Material can create slippery conditions.
Use non-slip safety shoes in areas where spills or leaks can occur.

Environmental precautions : Prevent further leakage or spillage if safe to do so.
Do not let product enter drains.
Do not allow contact with soil, surface or ground water.
Do not allow uncontrolled discharge of product into the environment.

Methods and materials for containment and cleaning up : Dam up.

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Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Sweep up and shovel.
Pick up and transfer to properly labelled containers.
Clean contaminated floors and objects thoroughly while observing environmental regulations.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : The product is not flammable. No special protective measures against fire required.
- Advice on safe handling : Wear personal protective equipment.
Handle with care.
Take care to avoid waste and spillage when weighing, loading and mixing the product.
- Conditions for safe storage : No smoking.
Keep in properly labelled containers.
Observe label precautions.
Keep containers tightly closed in a dry, cool and well-ventilated place.
- Materials to avoid : Do not freeze.
Keep away from food and drink.
Keep away from tobacco products.
- Recommended storage temperature : 4 - 43 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
None				

- Engineering measures** : Handle only in a place equipped with local exhaust (or other appropriate exhaust).
Maintain air concentrations below occupational exposure standards.

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Use NIOSH approved respiratory protection.
- Hand protection
Material : Impervious gloves

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- Eye protection : Safety glasses with side-shields
Tightly fitting safety goggles
Face-shield
- Skin and body protection : Chemical resistant apron
Footwear protecting against chemicals
Skin should be washed after contact.
Change working clothes after each workshift.
- Protective measures : Avoid contact with skin.
When using do not eat, drink or smoke.
Personal protective equipment comprising: suitable protective
gloves, safety goggles and protective clothing
The type of protective equipment must be selected according
to the concentration and amount of the dangerous substance
at the specific workplace.
- Hygiene measures : Do not smoke.
Keep away from food and drink.
Avoid contact with skin, eyes and clothing.
Change working clothes after each workshift.
Remove and wash contaminated clothing and gloves, includ-
ing the inside, before re-use.
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : paste
- Colour : white
- Odour : mild, characteristic
- pH : 8.0 - 9.0
- Melting point/range : No data available
- Boiling point/boiling range : 212 °F
- Flash point : > 212 °F
- Vapour pressure : similar to water
- Density : 960 - 1,010 kg/m³
- Solubility(ies)
- Water solubility : insoluble
- Solubility in other solvents : Not applicable
- Partition coefficient: n-oc-
tanol/water : No data available

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Explosive properties : Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable

Possibility of hazardous reactions : Stable under recommended storage conditions.

Conditions to avoid : Protect from frost.

Incompatible materials : Oxidizing agents
Strong acids and strong bases

Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Remarks: This information is not available.

Acute inhalation toxicity : Remarks: This information is not available.

Acute dermal toxicity : Remarks: This information is not available.

Skin corrosion/irritation

Product:

Remarks: This information is not available.

Serious eye damage/eye irritation

Product:

Remarks: This information is not available.

Respiratory or skin sensitisation

Product:

Remarks: This information is not available.

Carcinogenicity

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or

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NTP	equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish	:	Remarks: No data available
Toxicity to daphnia and other aquatic invertebrates	:	Remarks: No data available
Toxicity to algae	:	Remarks: No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	Do not dispose of waste into sewer. Dispose of in accordance with local regulations. Can be landfilled or incinerated, when in compliance with local regulations.
Contaminated packaging	:	Clean container with water. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG

Not regulated as a dangerous good

IATA-DGR

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IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

49 CFR

Not regulated as a dangerous good

49 CFR

Not regulated as a dangerous good

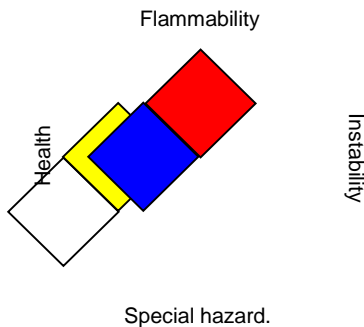
SECTION 15. REGULATORY INFORMATION

- SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
- SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
- California Prop 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

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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

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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.

US / EN



NFA T226-LVT, LVP Adhesive

NFA T226 vinyl flooring adhesive is a solvent-free acrylic-based adhesive formulated with high bond strength and shear resistance for installing Novalis Luxury Vinyl Tile and Plank flooring. **NFA T226** has low odor for installations in health care facilities, schools, and homes, and is made with MicroSept™ broad spectrum antimicrobial protection to improve mold and fungal resistance.

Substrate Preparations: Suitable substrates include above, on or below grade concrete (within moisture and alkalinity specifications), well-bonded and properly-prepared tile or sheet goods, APA underlayment grade plywood and radiant heated floors (85° F and below). All substrates must be clean, smooth, dry and free of waxes, existing adhesives, dirt, dust, grease, oil, paint curing compounds or sealers. This adhesive **cannot** be used over chemically cleaned substrates.

NFA T226 can be used on concrete substrates with in-situ Relative Humidity (RH) up to 85% as measured per latest version of ASTM F2170, and with pH up to 10.0. Site conditions, floor preparations, and moisture and alkalinity must comply with current ASTM F710 guidelines.

Installation Procedures: The installation site must be acclimated with HVAC in operation. The floor and room temperature, as well as flooring materials and adhesive, must be maintained at 65°–95° F, and the humidity below 65% for 48 hours prior to, during, and after the testing and installation. Follow floor-covering manufacturer's installation instructions and proper adhesive application rate.

Recommended Trowel:

- 1/16" x 1/32" x 1/32" U-Notch
- Coverage: 220–260 square feet per gallon

Porous substrates:

- When installing vinyl plank and tile over a porous substrate, the adhesive should be allowed to dry to the touch sufficient to prevent slippage. Loss of adhesion can result if the flooring is not installed within the working time of the adhesive. Roll the installation in both directions with a 100 lbs. 3-section roller immediately after the installation is complete.

Non-porous substrates:

- Install tiles and plank flooring into adhesive as it becomes dry to the touch with little or no transfer to finger when touched. This will normally require 30–60 minutes of drying time at suggested installation temperature and humidity. Do not install flooring into wet adhesive on non-porous substrates. Roll the installation in both directions with a 100 lbs. 3-section roller immediately after flooring is placed, ensuring complete contact with adhesive.

Traffic:

Restrict all traffic for 24 hours after installation. No heavy traffic, rolling loads, or furniture placement for 72 hours after installation. Additional time may be necessary if the installation is over a non-porous substrate. Allow at least five days following the installation before conducting wet cleaning procedures or initial maintenance.

Shelf Life: 1 year from manufacturing date in an unopened container, protect from freezing

This product is not photochemically reactive as defined by California Rules 102 and 443. VOC content is below that established by California SCAQMD Rule 1168.

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