

SAFETY DATA SHEET



Novalis NFA-S300 Spray Adhesive

Version 0.0 Revision Date: 05/20/2015 MSDS Number: Date of last issue: -
Date of first issue: 05/20/2015

SECTION 1. IDENTIFICATION

Product name : Novalis NFA-S300 Spray 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 : (000) 000-0000

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Eye irritation : Category 2B

GHS Label element

Hazard pictograms :



Signal word : Warning

Hazard statements : H320 Causes eye irritation.

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P235 + P410 Keep cool. Protect from sunlight.
P210 Keep away from heat.
Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

No hazardous ingredients

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SECTION 4. FIRST AID MEASURES

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|---|---|---|
| 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. |
| 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 (CO ₂)
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. |

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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.
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

Contains no substances with occupational exposure limit values.

- Engineering measures** : Handle only in a place equipped with local exhaust (or other appropriate exhaust).

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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
- 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, including the inside, before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : white
- Odour : characteristic
- pH : No data available
- Melting point/range : No data available
- Boiling point/boiling range : 212 °F
- Flash point : > 212 °F

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Vapour pressure : 18.65 mmHg (70 °F)

Density : 970 - 1,030 kg/m³

Solubility(ies)

Water solubility : dispersible

Solubility in other solvents : Not applicable

Partition coefficient: n-octanol/water : No data available

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.

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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 equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

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.

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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

IATA-DGR

UN/ID No. : UN 1950
Proper shipping name : Aerosols, non-flammable
(AEROSOLS, 2.2)
Class : 2.2
Packing group : Not assigned by regulation
Labels : Non-flammable, non-toxic Gas
Packing instruction (cargo aircraft) : 203
Packing instruction (passenger aircraft) : 203

IMDG-Code

UN number : UN 1950
Proper shipping name : AEROSOLS
Class : 2.2
Packing group : Not assigned by regulation
Labels : 2.2
EmS Code : F-D, S-U
Marine pollutant : no

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

UN/ID/NA number : UN 1950
Proper shipping name : AEROSOLS
(AEROSOLS, 2.2)
Class : 2.2
Packing group : Not assigned by regulation
Labels : NON-FLAMMABLE GAS
ERG Code : 126
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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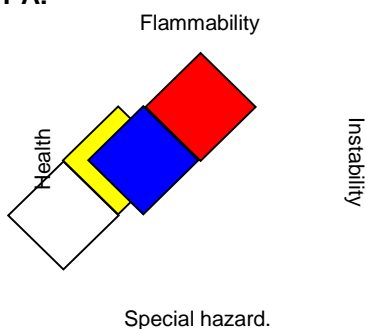
SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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 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 S300 Aerosol Adhesive

Novalis NFA S300 Resilient Formula Aerosol Spray Adhesive is a water-based aerosol adhesive recommended for installations of resilient floor coverings. It is particularly convenient since it can be used in occupied buildings and greatly reduces the handling and application requirements associated with conventional adhesives. **Novalis NFA S300** Spray Adhesive demonstrates highly aggressive grab and shear strength, and has outstanding water and plasticizer resistance.

First Aid:

Avoid contact with eyes and skin. For eye contact, flush thoroughly with water for 15 minutes and get immediate medical attention. For skin contact, wash area with soap and water. If swallowed, do not induce vomiting; get medical attention immediately. If inhaled, remove person to fresh air; for difficulty breathing, get immediate medical attention.

Open Time: Allow the adhesive to dry completely with no transfer to fingers when lightly touched. Open time will vary depending on the adhesive coverage, substrate porosity and the ambient conditions. Working time for the adhesive should not exceed 4 hours.

Substrate Preparations: Novalis NFA S300 Spray Adhesive may be used on porous or non-porous surfaces such as metal, wood, fiberglass, terrazzo, existing properly prepared vinyl composition tile, and concrete substrates with up to 90% in-situ Relative Humidity as determined per latest version of ASTM F2170, and pH up to 10.0.

Follow concrete substrate preparation guidelines as outlined in CRI 104. The substrate must be dry and clean. Remove any foreign matter that would interfere with a good bond. 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. Do not use on substrates that have been chemically cleaned.

Application: Shake can well before each use. Point can downwards, press the side of the nozzle tip as you slowly walk back and forth. Do not use a sweeping motion as this will create uneven coverage. Clean up drips. When using for LVT or LVP be sure to achieve full coverage. When using on a non-porous substrate, a lighter application may be necessary.

Novalis NFA S300 may also be used for vinyl cove base repairs. First be sure that wall is clean and dry, and remove any loose wall paper or paint.

NOTE: It is up to the end user to determine the coverage that is appropriate for flooring and jobsite conditions. Bond testing prior to the installation will help identify the appropriate application rate, open and working time, and any potential bonding problems to the substrate or flooring.

Flooring Installation: Roll flooring immediately after installation is complete with an appropriate roller for flooring type. Sheet flooring seams may be heat welded immediately after installation. Traffic may be allowed as soon as the installation, finishing and clean-up are complete.

Safety and Clean Up: Wet adhesive overspray or drips should be cleaned with soap and water on a clean cloth. Dried adhesive may require the use of a solvent adhesive cleaner. Between uses, clean the spray tip immediately with a clean wet cloth to prevent accumulation of dried adhesive. Empty aluminum spray cans should be relieved of excess pressure and recycled or disposed of in accordance with local requirements.

Shelf Life: 1 year from the manufacturing date, in an unused container. Do not allow product to freeze. Do not expose to temperatures exceeding 115°F. Prolonged exposure to heat or direct sun may cause container to burst.

Coverage will depend on substrate, approximately 140-200 square feet per 22 ounce can.

Disclaimer: *Users should determine the suitability of this information or product for their own particular purpose or application. Manufacturer is not responsible for the misuse of this product. This Technical Data Sheet and the information conveyed herein supersedes all previous versions. User should contact Novalis International for most recent updates.*

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. 07/11/2013