# SAFETY DATA SHEET

**Nano-Clear VV-300 Hard Coating**

This SDS is not mandated under REACH Regulation (EC) No 1907/2006 and is provided for information only.

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>Nano-Clear VV-300 Hard Coating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product number</td>
<td>VV-300</td>
</tr>
</tbody>
</table>

1.2. Relevant identified uses of the substance or mixture and uses advised against

<table>
<thead>
<tr>
<th>Identified uses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protective coating for polycarbonate and glass.</td>
</tr>
</tbody>
</table>

1.3. Details of the supplier of the safety data sheet

**SUPPLIER** Nanovere Technologies, LLC.
4023 S. Old US 23, Suite 101
Brighton, MI 48114 USA
Phone: (810) 227-0077

1.4. EMERGENCY TELEPHONE CHEMTREC (USA): (800) 424-9300

## SECTION 2: Hazards identification

2.1. Classification of the substance or mixture Classification (EC 1272/2008)

<table>
<thead>
<tr>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>This product does not meet the criteria for classification in any hazard</td>
</tr>
<tr>
<td>class according to Regulation (EC) No 1272/2008 on classification,</td>
</tr>
<tr>
<td>labelling and packaging of substances and mixtures.</td>
</tr>
<tr>
<td>Physical hazards</td>
</tr>
<tr>
<td>Health hazards</td>
</tr>
<tr>
<td>Environmental hazards</td>
</tr>
</tbody>
</table>

Classification (67/548/EEC or 1999/45/EC)

2.2. Label elements

<table>
<thead>
<tr>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC Not Classified</td>
</tr>
</tbody>
</table>

## SECTION 3: Composition/information on ingredients

3.1. Substances

<table>
<thead>
<tr>
<th>Product name</th>
<th>Polyurethane Resin (non-hazardous)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number</td>
<td>Proprietary</td>
</tr>
</tbody>
</table>
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SECTION 4: First aid measures

4.1. Description of first aid measures

<table>
<thead>
<tr>
<th>General information</th>
<th>No specific recommendations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Move affected person to fresh air at once. Get medical attention if any discomfort continues.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>If necessary, rinse mouth and provide fresh air. Get medical attention if any discomfort continues.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Wash skin thoroughly with soap and water.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.</td>
</tr>
</tbody>
</table>

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor: No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| Suitable extinguishing media | Extinguish with the following media: Foam, carbon dioxide or dry powder. |
| Unsuitable extinguishing media | Water. |

5.2. Special hazards arising from the substance or mixture

| Hazardous combustion | Oxides of carbon. products |

5.3. Advice for firefighters

| Protective actions during | Containers close to fire should be removed or cooled with water. |
| Special protective equipment | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| Personal precautions | Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. In case of spills, beware of slippery floors and surfaces. |

6.2. Environmental precautions

| Environmental precautions | No negative effects on the aquatic environment are known. |

6.3. Methods and material for containment and cleaning up

| Methods for cleaning up | Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Wash thoroughly after dealing with a spillage. |

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| Usage precautions | Handle all packages and containers carefully to minimize spills. |
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

Storage class
Unspecified storage.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection
Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

Hygiene measures
No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

Respiratory protection
No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Liquid.

Color
Colorless.

Odor
Characteristic.

Relative density
~ 0.952 @ 20°C

Refractive index
~ 1.422 @ 20°C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability
Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions
Will not polymerize.

10.4. Conditions to avoid

Conditions to avoid
Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid
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10.6. Hazardous decomposition products
Hazardous decomposition Thermal decomposition or combustion products may include the following substances: Oxides products of carbon. Oxides of nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>General information</td>
<td>No specific health hazards known.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No specific health hazards known.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No specific health hazards known. No harmful effects expected from quantities likely to be ingested by accident.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>No specific health hazards known.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Vapour or spray in the eyes may cause irritation and smarting.</td>
</tr>
<tr>
<td>Acute and chronic health hazards</td>
<td>No specific health hazards known.</td>
</tr>
<tr>
<td>Medical symptoms</td>
<td>No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.</td>
</tr>
<tr>
<td>Medical considerations</td>
<td>May cause allergic contact eczema. Prolonged or repeated exposure may cause the following adverse effects: Allergic rash. Get medical attention.</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological Information

12.1. Toxicity 12.2. Persistence and degradability
Persistence and degradability The product is expected to be biodegradable.

12.3. Bioaccumulative potential
Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil
Mobility The product is miscible with water and may spread in water systems.

12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods
General information Waste is suitable for incineration.
Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number
Not applicable.
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14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
No transport warning sign required.

14.4. Packing group
Not applicable.

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU legislation

Guidance
Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

SECTION 16: Other information

Key literature references and sources for data

Issued by
Regulatory Manager

Revision date
01/20/2019

Revision
0

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