



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

### SECTION 1: Identification

#### 1.1 Product identifier

Trade name **Nu Finish - Nu Vinyl 9-16-19**

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

Relevant identified uses General use

#### 1.3 Details of the supplier of the safety data sheet

Energizer Manufacturing, Inc.  
25225 Detroit Rd.  
Westlake OH 44145  
United States

Telephone: 800-383-7323; 314-985-2000 (USA / CANADA)  
e-mail: energizer@custhelp.com  
Website: <http://data.energizer.com>

#### 1.4 Emergency telephone number

Emergency information service 1-314-985-1511 Int'l: 1-800-526-4727  
This number is only available during the following  
office hours: Mon-Fri 09:00 AM - 05:00 PM

### SECTION 2: Hazard(s) identification

#### 2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

| Section | Hazard class                      | Category | Hazard class and category | Hazard state-ment |
|---------|-----------------------------------|----------|---------------------------|-------------------|
| A.3     | serious eye damage/eye irritation | 1        | Eye Dam. 1                | H318              |
| B.6     | flammable liquid                  | 4        | Flam. Liq. 4              | H227              |

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources. The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).

Additional information

Containing a PBT-/vPvB-substance in a concentration of  $\geq 0,1\%$ .

#### 2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

## Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

### - Pictograms

GHS05



### - Hazard statements

H227 Combustible liquid.  
H318 Causes serious eye damage.

### - Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
P103 Read label before use.  
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P280 Wear protective gloves/eye protection/face protection.  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a poison center/doctor.  
P370+P378 In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### - Hazardous ingredients for labelling

2-Propylheptanol ethoxylate

## 2.3 Other hazards

Hazards not otherwise classified

Very toxic to aquatic life with long lasting effects (GHS category 1: aquatic toxicity - acute and/or chronic).



## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture)

### 3.2 Mixtures

Description of the mixture

| Name of substance            | Identifier         | Wt%      | Classification acc. to GHS               | Pictograms  |
|------------------------------|--------------------|----------|--|---|
| Decamethylcyclopentasiloxane | CAS No 541-02-6    | 5 - < 10 | Flam. Liq. 4 / H227                      |   |
| 2-Propylheptanol ethoxylate  | CAS No 160875-66-1 | 5 - < 10 | Acute Tox. 4 / H302<br>Eye Dam. 1 / H318 |   |

For full text of abbreviations: see SECTION 16.



## Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

### Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

#### SECTION 4: First-aid measures

##### 4.1 Description of first- aid measures

###### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

###### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

###### Following skin contact

Wash with plenty of soap and water.

###### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

###### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

none

#### SECTION 5: Fire-fighting measures

##### 5.1 Extinguishing media

###### Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO<sub>2</sub>)

###### Unsuitable extinguishing media

Water jet

##### 5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

###### Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

##### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.



## Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

### Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

#### SECTION 6: Accidental release measures

##### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

##### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

##### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

##### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

#### SECTION 7: Handling and storage

##### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Managing of associated risks

##### - Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

##### - Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

#### Control of the effects

#### Protect against external exposure, such as

Frost

##### - Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

##### - Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

This information is not available.

#### Relevant DNELs of components of the mixture

| Name of substance            | CAS No   | End-point | Threshold level        | Protection goal, route of exposure | Used in           | Exposure time              |
|------------------------------|----------|-----------|------------------------|------------------------------------|-------------------|----------------------------|
| Decamethylcyclopentasiloxane | 541-02-6 | DNEL      | 97.3 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| Decamethylcyclopentasiloxane | 541-02-6 | DNEL      | 97.3 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | acute - systemic effects   |
| Decamethylcyclopentasiloxane | 541-02-6 | DNEL      | 24.2 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - local effects    |
| Decamethylcyclopentasiloxane | 541-02-6 | DNEL      | 24.2 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | acute - local effects      |

## Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

| Relevant PNECs of components of the mixture |          |           |                 |                       |                              |                              |
|---|----------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of substance                           | CAS No   | End-point | Threshold level | Organism              | Environmental compartment    | Exposure time                |
| Decamethylcyclopentasiloxane                | 541-02-6 | PNEC      | 1.2 µg/l        | aquatic organisms     | freshwater                   | short-term (single instance) |
| Decamethylcyclopentasiloxane                | 541-02-6 | PNEC      | 0.12 µg/l       | aquatic organisms     | marine water                 | short-term (single instance) |
| Decamethylcyclopentasiloxane                | 541-02-6 | PNEC      | 10 mg/l         | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| Decamethylcyclopentasiloxane                | 541-02-6 | PNEC      | 11 mg/kg        | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| Decamethylcyclopentasiloxane                | 541-02-6 | PNEC      | 1.1 mg/kg       | aquatic organisms     | marine sediment              | short-term (single instance) |
| Decamethylcyclopentasiloxane                | 541-02-6 | PNEC      | 1.27 mg/kg      | terrestrial organisms | soil                         | short-term (single instance) |

### 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### Appearance

|                |                |
|----------------|----------------|
| Physical state | liquid         |
| Color          | various        |
| Odor           | characteristic |

##### Other safety parameters

|   |   |
|---|---|
| pH (value)                              | not determined                                |
| Melting point/freezing point            | not determined                                |
| Initial boiling point and boiling range | 188.6 °C at 977.7 hPa                         |
| Flash point                             | not determined                                |
| Evaporation rate                        | not determined                                |
| Flammability (solid, gas)               | not relevant, (fluid)                         |
| Explosive limits                        | not determined                                |
| Vapor pressure                          | 33.2 Pa at 25 °C                              |
| Density                                 | not determined                                |
| Vapor density                           | this information is not available             |
| Relative density                        | information on this property is not available |
| Solubility(ies)                         | not determined                                |

##### Partition coefficient

|                             |                                   |
|-----------------------------|-----------------------------------|
| - n-octanol/water (log KOW) | this information is not available |
|-----------------------------|-----------------------------------|



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

|                           |                |
|---------------------------|----------------|
| Auto-ignition temperature |                |
| Viscosity                 | not determined |
| Explosive properties      | none           |
| Oxidizing properties      | none           |

### 9.2 Other information

|                 |       |
|-----------------|-------|
| Solvent content | 100 % |
| Solid content   | 0 %   |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### 10.5 Incompatible materials

Oxidizers

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.





# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

##### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

##### Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

##### Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components of the mixture

| Name of substance           | CAS No      | Exposure route | ATE       |
|-----------------------------|-------------|----------------|-----------|
| 2-Propylheptanol ethoxylate | 160875-66-1 | oral           | 500 mg/kg |

##### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

##### Serious eye damage/eye irritation

Causes serious eye damage.

##### Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

##### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

##### Carcinogenicity

Shall not be classified as carcinogenic.

##### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

##### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

##### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

##### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

### SECTION 12: Ecological information

#### 12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture

| Name of substance            | CAS No      | Endpoint | Value          | Species                             | Exposure time |
|------------------------------|-------------|----------|----------------|-------------------------------------|---------------|
| Decamethylcyclopentasiloxane | 541-02-6    | LC50     | >16 µg/l       | fish                                | 96 h          |
| Decamethylcyclopentasiloxane | 541-02-6    | EC50     | >2.9 µg/l      | aquatic invertebrates               | 48 h          |
| 2-Propylheptanol ethoxylate  | 160875-66-1 | LC50     | >10 – 100 mg/l | rainbow trout (Oncorhynchus mykiss) | 96 h          |
| 2-Propylheptanol ethoxylate  | 160875-66-1 | EC50     | >10 – 100 mg/l | water flea (Daphnia)                | 48 h          |
| 2-Propylheptanol ethoxylate  | 160875-66-1 | EC50     | >10 – 100 mg/l | algae                               | 72 h          |

Aquatic toxicity (chronic) of components of the mixture

| Name of substance            | CAS No   | Endpoint | Value    | Species               | Exposure time |
|------------------------------|----------|----------|----------|-----------------------|---------------|
| Decamethylcyclopentasiloxane | 541-02-6 | LC50     | >16 µg/l | fish                  | 14 d          |
| Decamethylcyclopentasiloxane | 541-02-6 | EC50     | >15 µg/l | aquatic invertebrates | 21 d          |

#### 12.2 Persistence and degradability

Data are not available.

#### 12.3 Bioaccumulative potential

The substance fulfills the very bioaccumulative criterion.

#### 12.4 Mobility in soil

Data are not available.

#### 12.5 Results of PBT and vPvB assessment

The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

### 12.6 Other adverse effects

Endocrine disrupting potential

None of the ingredients are listed.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

|  |   |
|--|---|
| <b>14.1 UN number</b>  | 3082  |
| <b>14.2 UN proper shipping name</b>  | Environmentally hazardous substance, liquid, n.o.s. |
| Technical name (hazardous ingredients)   | Decamethylcyclopentasiloxane                        |
| <b>14.3 Transport hazard class(es)</b>   |   |
| Class  | 9 (environmentally hazardous)                       |
| <b>14.4 Packing group</b>  | III (substance presenting low danger)               |
| <b>14.5 Environmental hazards</b>  | hazardous to the aquatic environment                |
| Environmentally hazardous substance (aquatic environment)                      | Decamethylcyclopentasiloxane                        |
| <b>14.6 Special precautions for user</b>                                       |   |
| There is no additional information.  |   |
| <b>14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code</b> |   |
| The cargo is not intended to be carried in bulk.                               |   |



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

### Information for each of the UN Model Regulations

Not regulated when carried in single or combination packaging containing a net quantity of 5L or less or 5 kg or less per the following:



DOT: 171.4(2)

ADR: SP 375



IMDG: 2.10.2.7

IATA: special provision A197

### Transport of dangerous goods by road or rail (49 CFR US DOT)

|   |   |
|---|---|
| Index number  | 3082  |
| Proper shipping name  | Environmentally hazardous substance, liquid, n.o.s.   |
| - Particulars in the shipper's declaration  | UN3082, Environmentally hazardous substance, liquid, n.o.s., (contains: Decamethylcyclopentasiloxane), 9, III |
| Class   | 9   |
| Packing group   | III   |
| Danger label(s)   | 9, fish and tree  |
|   |   |
| Environmental hazards   | yes (hazardous to the aquatic environment)  |
| Special provisions (SP)   | 8, 146, 173, 335, IB3, T4, TP1, TP29  |
| ERG No  | 171   |

### International Maritime Dangerous Goods Code (IMDG)

|   |   |
|---|---|
| UN number   | 3082  |
| Proper shipping name  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Class   | 9   |
| Marine pollutant  | yes (hazardous to the aquatic environment)          |
| Packing group   | III   |
| Danger label(s)   | 9, fish and tree                                    |
|   |   |
| Special provisions (SP)   | 274, 335, 969                                       |
| Excepted quantities (EQ)  | E1  |
| Limited quantities (LQ)   | 5 L   |
| EmS   | F-A, S-F  |




# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

|   |   |
|---|---|
| Stowage category  | A   |
| <b>International Civil Aviation Organization (ICAO-IATA/DGR)</b>                  |   |
| UN number   | 3082  |
| Proper shipping name  | Environmentally hazardous substance, liquid, n.o.s. |
| Class   | 9   |
| Environmental hazards   | yes (hazardous to the aquatic environment)          |
| Packing group   | III   |
| Danger label(s)   | 9, fish and tree                                    |
|  |   |
| Special provisions (SP)   | A97, A158, A197                                     |
| Exempted quantities (EQ)  | E1  |
| Limited quantities (LQ)   | 30 kg   |

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

##### National regulations (United States)

**Toxic Substance Control Act (TSCA)** all ingredients are listed

##### Superfund Amendment and Reauthorization Act (SARA TITLE III )

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

##### Clean Air Act

none of the ingredients are listed

##### Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

| Name of substance  | CAS No      | Functionality | Authoritative Lists                                   |
|--|-------------|---------------|---|
| Water  | 7732-18-5   | solvents      |   |
| Decamethylcyclpentasiloxane                                      | 541-02-6    | emulsifier    | Canada PBiTs<br>CECBP - Priority Chemicals<br>EC PBTs |
| 2-Propylheptanol ethoxylate                                      | 160875-66-1 | surfactant    |   |
| poly(oxy-1,2-ethanediyl), α-(4-nonylphenyl)-ω-hydroxy-, branched | 127087-87-0 | surfactant    |   |



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

| Name of substance | CAS No   | Functionality | Authoritative Lists  |
|-------------------|----------|---------------|--|
| Ethylene Glycol   | 107-21-1 | solvents      | CA NLS<br>CA TACs<br>NTP OHAT - Repr. or Dev. Toxicants<br>OEHHH RELS<br>Prop 65 |

### - Toxic or Hazardous Substance List (MA-TURA)

| Name of substance   | CAS No   | DEP CODE | PBT / HHS / LHS | PBT / HHS Threshold | De Minimis Concentration Threshold |
|---|----------|----------|-----------------|---------------------|------------------------------------|
| poly(oxy-1,2-ethanediyl), $\alpha$ -(4-nonylphenyl)- $\omega$ -hydroxy-, branched |          | 1046     |                 |                     | 1.0 %                              |
| Ethylene Glycol   | 107-21-1 |          |                 |                     | 1.0 %                              |

### - Hazardous Substance List (NJ-RTK)

| Name of substance | CAS No   | Remarks | Classifications |
|-------------------|----------|---------|-----------------|
| Ethylene Glycol   | 107-21-1 |         |                 |

### - Hazardous Substance List (Chapter 323) (PA-RTK)

| Name of substance | CAS No   | Classification |
|-------------------|----------|----------------|
| Ethylene Glycol   | 107-21-1 | E              |

#### Legend

E Environmental hazard

### - Hazardous Substance List (RI-RTK)

| Name of substance | CAS No   | References |
|-------------------|----------|------------|
| Ethylene Glycol   | 107-21-1 | T, F       |

#### Legend

F Flammability (NFPA®)  
T Toxicity (ACGIH®)

### Industry or sector specific available guidance(s)

#### NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

| Category            | Rating | Description  |
|---------------------|--------|--|
| Chronic             | /      | none   |
| Health              | 3      | major injury likely unless prompt action is taken and medical treatment is given   |
| Flammability        | 2      | material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur                                       |
| Physical hazard     | 0      | material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive |
| Personal protection | -      |  |

### NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

| Category       | Degree of hazard | Description  |
|----------------|------------------|--|
| Flammability   | 2                | material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur |
| Health         | 3                | material that, under emergency conditions, can cause serious or permanent injury                                     |
| Instability    | 0                | material that is normally stable, even under fire conditions   |
| Special hazard |                  |  |

### National inventories

| Country | Inventory  | Status                         |
|---------|------------|--------------------------------|
| AU      | AICS       | all ingredients are listed     |
| CA      | DSL        | not all ingredients are listed |
| CN      | IECSC      | all ingredients are listed     |
| EU      | ECSI       | not all ingredients are listed |
| EU      | REACH Reg. | not all ingredients are listed |
| JP      | CSCL-ENCS  | not all ingredients are listed |
| KR      | KECI       | all ingredients are listed     |
| MX      | INSQ       | not all ingredients are listed |
| NZ      | NZIoC      | all ingredients are listed     |
| PH      | PICCS      | not all ingredients are listed |
| TR      | CICR       | not all ingredients are listed |
| TW      | TCSI       | all ingredients are listed     |
| US      | TSCA       | all ingredients are listed     |



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

### Legend

|            |   |
|------------|---|
| AICS       | Australian Inventory of Chemical Substances                             |
| CICR       | Chemical Inventory and Control Regulation                               |
| CSCL-ENCS  | List of Existing and New Chemical Substances (CSCL-ENCS)                |
| DSL        | Domestic Substances List (DSL)  |
| ECSI       | EC Substance Inventory (EINECS, ELINCS, NLP)                            |
| IECSC      | Inventory of Existing Chemical Substances Produced or Imported in China |
| INSQ       | National Inventory of Chemical Substances                               |
| KECI       | Korea Existing Chemicals Inventory                                      |
| NZIoC      | New Zealand Inventory of Chemicals                                      |
| PICCS      | Philippine Inventory of Chemicals and Chemical Substances               |
| REACH Reg. | REACH registered substances   |
| TCSI       | Taiwan Chemical Substance Inventory                                     |
| TSCA       | Toxic Substance Control Act   |

### 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information, including date of preparation or last revision

### Indication of changes (revised safety data sheet)

| Section | Former entry (text/value)  | Actual entry (text/value)  | Safety-relevant |
|---------|--|--|-----------------|
| 15.1    | VOC content:<br>Regulated Volatile Organic Compounds (VOC-EPA): 9.5 %<br>Regulated Volatile Organic Compounds (VOC-Cal ARB): 9.5 % |  | yes             |
| 15.1    |  | Right to Know Hazardous Substance List   | yes             |
| 15.1    |  | Cleaning Product Right to Know Act Substance List (CA-RTK)                                   | yes             |
| 15.1    |  | Cleaning Product Right to Know Act Substance List (CA-RTK):<br>change in the listing (table) | yes             |
| 15.1    |  | Toxic or Hazardous Substance List (MA-TURA)  | yes             |
| 15.1    |  | Toxic or Hazardous Substance List (MA-TURA):<br>change in the listing (table)                | yes             |
| 15.1    |  | Hazardous Substance List (NJ-RTK)  | yes             |
| 15.1    |  | Hazardous Substance List (NJ-RTK):<br>change in the listing (table)                          | yes             |
| 15.1    |  | Hazardous Substance List (Chapter 323) (PA-RTK)  | yes             |
| 15.1    |  | Hazardous Substance List (Chapter 323) (PA-RTK):<br>change in the listing (table)            | yes             |
| 15.1    |  | Hazardous Substance List (RI-RTK)  | yes             |





# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

| Section | Former entry (text/value) | Actual entry (text/value)   | Safety-relevant |
|---------|---------------------------|---|-----------------|
| 15.1    |                           | Hazardous Substance List (RI-RTK):<br>change in the listing (table) | yes             |
| 16      |                           | Abbreviations and acronyms:<br>change in the listing (table)        | yes             |

### Abbreviations and acronyms

| Abbr.         | Descriptions of used abbreviations   |
|---------------|--|
| 49 CFR US DOT | 49 CFR U.S. Department of Transportation   |
| ACGIH®        | American Conference of Governmental Industrial Hygienists  |
| Acute Tox.    | Acute toxicity   |
| ATE           | Acute Toxicity Estimate  |
| CAS           | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)   |
| DEP CODE      | Department of Environmental Protection Code  |
| DGR           | Dangerous Goods Regulations (see IATA/DGR)   |
| DNEL          | Derived No-Effect Level  |
| DOT           | Department of Transportation (USA)   |
| EC50          | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval |
| EINECS        | European Inventory of Existing Commercial Chemical Substances  |
| ELINCS        | European List of Notified Chemical Substances  |
| EmS           | Emergency Schedule   |
| ERG No        | Emergency Response Guidebook - Number  |
| Eye Dam.      | Seriously damaging to the eye  |
| Eye Irrit.    | Irritant to the eye  |
| Flam. Liq.    | Flammable liquid   |
| GHS           | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations  |
| HHS           | Higher hazard substance  |
| IATA          | International Air Transport Association  |
| IATA/DGR      | Dangerous Goods Regulations (DGR) for the air transport (IATA)   |
| ICAO          | International Civil Aviation Organization  |
| IMDG          | International Maritime Dangerous Goods Code  |



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Nu Finish - Nu Vinyl 9-16-19

Version number: GHS 8.2  
Replaces version of: 2019-09-16 (GHS 7)

Revision: 2020-01-19

| Abbr.          | Descriptions of used abbreviations  |
|----------------|---|
| LC50           | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval |
| LHS            | Lower hazard substance  |
| MARPOL         | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")   |
| NFPA®          | National Fire Protection Association (United States)  |
| NLP            | No-Longer Polymer   |
| NPCA-HMIS® III | National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition                                     |
| OSHA           | Occupational Safety and Health Administration (United States)   |
| PBT            | Persistent, Bioaccumulative and Toxic   |
| PNEC           | Predicted No-Effect Concentration   |
| RTECS          | Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)   |
| vPvB           | Very Persistent and very Bioaccumulative  |

### Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in chapter 2 and 3)

| Code | Text                       |
|------|----------------------------|
| H227 | Combustible liquid.        |
| H302 | Harmful if swallowed.      |
| H318 | Causes serious eye damage. |

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.