



**ReNuSurface®**  
Powered by NuVinAir®

# ReNuSurface® Concentrated Cleaning Solution Safety Data Sheet

Revision date: 27 April 2022

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## 1. Product and Company Identification

### 1.1 Product identifiers

Product Name	ReNuSurface® Concentrated Cleaning Solution
Producer	NuVinAir® Global
Product Number	No data available
CAS-No.	Mixture

### 1.2 Identified uses of the product and uses advised against

Identified Uses	Surface cleaning, Odor Reduction
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### 1.3 Details of the chemical supplier

Company	NuVinAir® Global
Address	5851 Legacy Cir Suite 600 Plano, Texas 75024 USA

Telephone: 1-844-944-6247

### 1.4 Emergency phone number

Emergency phone number 1-800-424-9300 Chemtrec

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

GHS Class	Acute toxicity, Oral (Category 4), Skin corrosion (Category 2), Acute aquatic toxicity (Category 2),
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#### Classification according to Regulation (EC) No 1272/2008

Based on present data Refrigerated Liquefied Gas - H281 and labeling is required according to Directive 1272/2008/EC and its amendments (CLP Regulation, GHS).

#### Classification according to Directive 67/548/EEC or Directive 1999/45/EC

According to present data no classification and labeling is required according to Directives 67/548/EEC or 1999/45/EC.

### 2.2 GHS Label elements, including precautionary statements- None

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS- None

### 3. Composition/Information on Ingredients

#### 3.1 Product mixture Synonyms

Formula	Mixture
Molecular wt.	Mixture
CAS-No.	n/a

Chemical Name	CAS-No.	Ingredient Percent
Ammonia	7664-41-7	Between 1-4%
Surfactant	Proprietary	< 5.00%*
Fragrances	Proprietary	< 1.00%*
Other ingredients	Proprietary	< 95.00%*

#### Remarks:

There are no additional hazardous ingredients greater than or equal to 1.0 wt% concentration or carcinogenic ingredients greater than or equal to 0.1 wt% concentration.

\*specific percentages of composition are being withheld as a trade secret

### 4. First Aid Measures

#### 4.1 Description of first aid measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Skin contact	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical/advice/attention.
Inhalation	Allow person to breathe fresh air. Allow the person to rest.
Ingestion	Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

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

Symptoms and effects	The most important known symptoms and effects are described in the labelling (see section 2.2 and in section 11).
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#### 4.3 Indication of any immediate medical attention and special treatment needed

Other first aid	No data available
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### 5. Fire Fighting Measures

#### 5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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#### 5.2 Special hazards arising from the substance or mixture

Special hazards	Excessive thermal decomposition at very high temperatures can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.
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#### 5.3 Advice for firefighters

Protective equipment	Wear self-contained breathing apparatus for firefighting if necessary.
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## 6. Accidental Release Measures

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

Personal precautions Avoid contact with skin and eyes. In case of large quantities of vapor or mist, use local exhaust or general dilution ventilation to control exposure within applicable limits. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. For personal protection see section 8.

### 6.2 Environmental precautions

Environmental precautions Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleanup Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Dispose of via a licensed waste disposal contractor.

### 6.4 References to other sections

Other references For disposal see section 13.

## 7. Handling and Storage

### General hygiene considerations

#### 7.1 General hygiene

Avoid contact with skin and eyes. In case of large quantities of vapor or mist, use local exhaust or general dilution ventilation to control exposure within applicable limits. For precautions see section 2.2.

#### 7.2 Precautions for safe handling

Safe handling precautions Keep container tightly closed in a dry and well-ventilated place.

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

Other storage conditions Keep away from direct sunlight and sources of ignition.

## 8. Exposure Controls/Personal Protection

### 8.1 Control and exposure limits recommended by the chemical manufacturer

MATERIAL	CAS-No.	OSHA	ACGIH	NIOSH
Ammonia	7664-41-7	TWA 50 ppm	TWA 25 ppm STEL 35ppm	TWA 25 ppm STEL 35 ppm

### 8.2 Appropriate engineering controls

Engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use adequate ventilation where dust forms to keep concentration under exposure control limits.

### 8.3 Individual protection measures, such as personal protective equipment

**Respiratory protection** None required for consumer use.

**Eye/face protection** None required for consumer use.

**Hand protection** None required for consumer use.

**Body protection** None required for consumer use.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

- |                           |                    |
|---------------------------|--------------------|
| a) Appearance             | Clear liquid       |
| b) Odor                   | Fragrant           |
| c) Odor threshold         | No data available  |
| d) pH                     | 9.3                |
| e) Melting/freezing point | No data available. |
| f) Boiling point          | No data available  |
| g) Flash point            | 72°C (161.6°F)     |

h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	Upper (UEL): No data available Lower (LEL): No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient octanol/water	No data available
p) Auto-ignition temp	No data available
q) Decomposition temp	No data available
r) Viscosity	No data available

## 10. Stability and Reactivity

<b>10.1 Reactivity</b>	
Reactivity	No data available
<b>10.2 Chemical stability</b>	
Chemical stability	Stable under ordinary conditions of use and storage.
<b>10.3 Possibility of hazardous reactions</b>	
Hazardous reactions	Hazardous polymerization will not occur. Vapors may form explosive mixture with air.
<b>10.4 Conditions to avoid</b>	
Conditions to avoid	Sources of ignition. Direct sunlight.
<b>10.5 Incompatible materials</b>	
Incompatible materials	Strong acids.
<b>10.6 Hazardous decomposition products</b>	
Hazardous products	Ammonia gas. Carbon monoxide. Carbon dioxide.

## 11. Toxicological Information

<b>11.1 Information on toxicological effects</b>	<b>Acute toxicity</b>
Acute oral toxicity	Ammonia, LD50 Rat 350 mg/kg
Acute dermal toxicity	No data available
Acute inhalation toxicity	Ammonia, LC50 Rat 9850 mg/l/1h
<b>Skin corrosion/irritation</b>	
Skin corrosion irritation	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	
Eye damage/eye irritation	Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	
Respiratory sensitizer	No data available
Skin sensitizer	No data available
<b>Germ cell mutagenicity</b>	
Mutagenicity	No data available
<b>Suspected cancer agent</b>	
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
<b>Reproductive toxicity</b>	
Reproductive toxicity	No data available
<b>Aspiration hazard</b>	

## 12. Ecological Information

### 12.1 Ecotoxicity (aquatic and terrestrial)

Ecotoxicity Toxic to aquatic life with long lasting effects

### 12.2 Persistence and degradability

Degradability No data available

### 12.3 Bioaccumulation potential

Bioaccumulation No data available

### 12.4 Mobility in soil

Mobility in soil No data available

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment Not available as chemical safety assessment not required/not conducted.

## 13. Disposal Considerations

### 13.1 Waste treatment methods Waste treatment disposal

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

## 14. Transportation

**DOT** Not dangerous goods.  
**TDG** Not dangerous goods.  
**IMDG** Not dangerous goods.  
**IATA** Not dangerous goods.

## 15. Regulatory Information

### 15.1 Safety, health, and environmental regulations specific to the product or mixture

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

SARA 313 Components 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.

TSCA This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States: None

Canada DSL All components of this product are on the Canada Domestic Substance List.

CA Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

State Regulatory Lists: Each state may promulgate standards more stringent than the federal government. This section cannot encompass an inclusive list or all state regulations. Therefore, the user should review the

components listed in Section 2 and consult state or local authorities for specific regulations that apply.

## 16. Other Information

HMIS Rating	Health hazard: 2 Flammability: 1 Physical Hazard 0
NFPA Rating	Health hazard: 2 Fire Hazard: 1 Reactivity Hazard: 0
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### Abbreviations and acronyms

IMDG - International Maritime Code for Dangerous Goods  
TDG - Transportation of Dangerous Goods  
IATA - International Air Transport Association  
GHS - Globally Harmonized System of Classification and Labelling of Chemicals  
PBT - Persistent, bio accumulative and toxic assessment  
vPvB - Very persistent and very bio accumulative assessment  
ACGIH - American Conference of Governmental Industrial Hygienists  
NIOSH - National Institute for Occupational Safety and Health  
TLV - Threshold Limit Values  
CAS - Chemical Abstracts Service (division of the American Chemical Society)  
NFPA - National Fire Protection Association  
HMIS - Hazardous Materials Identification System  
CFR - Code of Federal Regulations  
SARA - Superfund Amendments and Reauthorization Act  
DOT - US Department of Transportation  
EC50 - Half maximal effective concentration  
LD50 - Median lethal dose  
LC50 - Median lethal concentration  
SDS - Safety Data Sheet