



Description

A general ready to use cleaner and disinfectant for use in homes, hospitals, nursing homes, operating rooms, ICU areas and other establishments where the prime importance is controlling the hazard of cross contamination.

When used as directed, this product contains 2100 ppm of active germicide making it highly effective against a wide variety of pathogenic microorganisms.

This product is a cleaner, deodorizer, mildewstat (on hard inanimate surfaces), disinfectant, tuberculocidal, virucide, fungicide (against pathogenic fungi), and is **effective against Coronavirus.**

EPA REG. NO. 1839-83-4238



Safety Data Sheet

acc. to OSHA HCS

Printing date 03/31/2020

Reviewed on 03/30/2020

1 Identification

- **Product identifier**
- **Trade name: Free N Clear PVT**
- **Application of the substance / the mixture** Disinfectant/cleaner
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
DIAMOND CHEMICAL COMPANY, INC.
Corporate Headquarters
Union Ave & DuBois Street
East Rutherford, NJ 07073
USA
Telephone: 201-935-4300
- **Information department:** Product safety department
- **Emergency telephone number:** INFOTRAC - 1-800-535-5053

2 Hazard(s) identification

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Components:**

112-34-5	2-(2-butoxyethoxy)ethanol	Prop. %
64-02-8	tetrasodium ethylenediaminetetraacetate	Prop. %

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127087-87-0 Poly(oxy-1,2-ethanediyl),alpha-(4_nonylphenyl)-omega-hydroxy-, branched (Contd. of page 1) Prop.%

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Wash clothing if there is a spill.
No special measures required.
- **After inhalation:** None.
- **After skin contact:** Wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Drink copious amounts of water and provide fresh air. Immediately call a doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· **PAC-1:**

112-34-5	2-(2-butoxyethoxy)ethanol	30 ppm
64-02-8	tetrasodium ethylenediaminetetraacetate	75 mg/m ³

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127087-87-0	Poly(oxy-1,2-ethanediyl),alpha-(4_nonylphenyl)-omega-hydroxy-, branched	30 mg/m ³
68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	0.61 mg/m ³
· PAC-2:		
112-34-5	2-(2-butoxyethoxy)ethanol	33 ppm
64-02-8	tetrasodium ethylenediaminetetraacetate	830 mg/m ³
127087-87-0	Poly(oxy-1,2-ethanediyl),alpha-(4_nonylphenyl)-omega-hydroxy-, branched	330 mg/m ³
68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	6.8 mg/m ³
· PAC-3:		
112-34-5	2-(2-butoxyethoxy)ethanol	200 ppm
64-02-8	tetrasodium ethylenediaminetetraacetate	5,000 mg/m ³
127087-87-0	Poly(oxy-1,2-ethanediyl),alpha-(4_nonylphenyl)-omega-hydroxy-, branched	2,000 mg/m ³
68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	60 mg/m ³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
 No special measures required.
 Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
 The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
 At this time, the other constituents have no known exposure limits.

112-34-5 2-(2-butoxyethoxy)ethanol

TLV	Long-term value: 67.5* mg/m ³ , 10* ppm *Inhalable fraction and vapor
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- **Additional information:** The lists that were valid during the creation were used as basis.

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- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 Keep away from foodstuffs, beverages and feed.
 Avoid spills.
 As with other cleaning products avoid contact with the eyes and skin.
- **Breathing equipment:** None required.
- **Protection of hands:**



No special equipment required.

None required.
None required.

- **Material of gloves** None required.
- **Penetration time of glove material** None required.
- **Eye protection:**



No special equipment required.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

- | | |
|--------------------------|-----------------|
| · Form: | In water |
| · Color: | Colorless |
| · Odor: | Characteristic |
| · Odor threshold: | Not determined. |

· **pH-value at 20 °C (68 °F):** 11.7

· **Change in condition**

- | | |
|---------------------------------------|-----------------|
| · Melting point/Melting range: | Undetermined. |
| · Boiling point/Boiling range: | 100 °C (212 °F) |

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 225 °C (437 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

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- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Vapor pressure at 20 °C (68 °F):** 23 hPa (17.3 mm Hg)
- **Density at 20 °C (68 °F):** 1 g/cm³ (8.345 lbs/gal)
- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with Water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
 - on the skin:** Caustic effect on skin and mucous membranes.
 - on the eye:** Strong caustic effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
 The product shows the following dangers according to internally approved calculation methods for preparations:
 The product is not subject to classification according to internally approved calculation methods for preparations:
 When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
 Corrosive

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Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· **Carcinogenic categories**

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:** Smaller quantities can be disposed of with household waste.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· **UN-Number**

· **DOT, ADN, IMDG, IATA**

not regulated

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- | | |
|--|-----------------|
| · UN proper shipping name | |
| · DOT, ADN, IMDG, IATA | not regulated |
| · Transport hazard class(es) | |
| · DOT, ADN, IMDG, IATA | |
| · Class | not regulated |
| · Packing group | |
| · DOT, IMDG, IATA | not regulated |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | not regulated |

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Hazardous Air Pollutants

None of the ingredients is listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· GHS label elements Void

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- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

· **SB 258**

CAS NO.

INGREDIENTS

FUNCTION

May contain minimal amount of fragrances and dyes.

7732-18-5	water, distilled, conductivity or of similar purity	solvent
112-34-5	2-(2-butoxyethoxy)ethanol	Solvent
64-02-8	tetrasodium ethylenediaminetetraacetate	chelating agent
127087-87-0	Poly(oxy-1,2-ethanediyl),alpha-(4_nonylphenyl)-omega-hydroxy-, branched	solvent
68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	quaternary

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Environment protection department.
- **Contact:** Environmental Department
- **Date of preparation / last revision** 03/31/2020 / -
- **Abbreviations and acronyms:**
 - IMDG: International Maritime Code for Dangerous Goods
 - DOT: US Department of Transportation
 - IATA: International Air Transport Association
 - ACGIH: American Conference of Governmental Industrial Hygienists
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - NFPA: National Fire Protection Association (USA)
 - HMIS: Hazardous Materials Identification System (USA)
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - NIOSH: National Institute for Occupational Safety
 - OSHA: Occupational Safety & Health
 - TLV: Threshold Limit Value
 - PEL: Permissible Exposure Limit
 - REL: Recommended Exposure Limit