

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 11/11/2015

Reviewed on 11/11/2015

1 Identification

- **Product Identifier**
- **Trade name:** Glass and Window Cleaner - Windex(r) type
- **Product Number:** ngt-GPG202
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description** Widown cleaner
- **Application of the substance / the mixture:** Glass and Window cleaner
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
 NuGeneration Technologies, LLC (dba NuGenTec)
 1155 Park Avenue, Emeryville, CA 94608
 salesteam@nugentec.com www.nugentec.com
 1-888-996-8436 or 1-707-820-4080 for product information
- **Emergency telephone number:**
 PERS Emergency Response: Domestic and Canada - 1-800-633-8253, International 1-801-629-0667

2 Hazard(s) Identification

- **Classification of the substance or mixture:**
 The product does not need classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.
- **Label elements:**
- **GHS label elements** Non-Regulated Material
- **Hazard pictograms:** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard statements:** Non-Regulated Material
- **Precautionary statements:**
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Take off contaminated clothing.
 If skin irritation occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 IF ON SKIN: Wash with plenty of water.
- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 - 4)**



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



- **Hazard(s) not otherwise classified (HNOC):** None

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3 Composition/Information on Ingredients

7732-18-5	Water, distilled water, deionized water	95.9%
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- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with non-hazardous additions.

- **Dangerous Components:**

CAS: 67-63-0	Isopropyl alcohol	4%
RTECS: NT 8050000	 Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE 3, H336	

4 First-Aid Measures

- **Description of first aid measures:**
- **General information:**
Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.
No special measures required.
- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If swallowed and symptoms occur, consult 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:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters:**
- **Protective equipment:**
Mouth respiratory protective device.
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

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- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Dispose of the collected material according to regulations.
- **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.

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:** Store in the original container.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** No further relevant information available..
- **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 section 7.
- **Control parameters:**

· **Components with occupational exposure limits:**

67-63-0 Isopropyl alcohol

PEL	Long-term value: 980 mg/m ³ , 400 ppm
REL	Short-term value: 1225 mg/m ³ , 500 ppm Long-term value: 980 mg/m ³ , 400 ppm
TLV	Short-term value: 984 mg/m ³ , 400 ppm Long-term value: 492 mg/m ³ , 200 ppm
BEI	

· **Ingredients with biological limit values:**

67-63-0 Isopropyl alcohol

BEI	40 mg/L urine end of shift at end of workweek Acetone (background, nonspecific)
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- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

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- **Exposure controls:**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
*The usual precautionary measures for handling chemicals should be followed.
 Keep away from foodstuffs, beverages and feed.*
- **Breathing equipment:** *Not required.*
- **Protection of hands:** *Not required.*
- **Material of gloves:** *Not required.*
- **Penetration time of glove material:** *Not applicable.*
- **Eye protection:**



Goggles recommended during refilling.

9 Physical and Chemical Properties

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

· **General Information**

· **Appearance:**

Form:	Liquid
Color:	Colorless
Odor:	Ether-like
Odor threshold:	Not determined.

· **pH-value @ 20 °C (68 °F):** 7.5

· **Change in condition**

Melting point/Melting range:	--
Boiling point/Boiling range:	100 °C (212 °F)

· **Flash point:** None

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

· **Ignition temperature:** 240 °C (464 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not self-igniting.

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

· **Explosion limits:**

Lower:	0.0 Vol %
Upper:	0.0 Vol %

· **Vapor pressure @ 20 °C (68 °F):** 23 hPa (17 mm Hg)

· **Density @ 20 °C (68 °F):** 0.991 g/cm³ (8.27 lbs/gal)

· **Relative density:** Not determined.

· **Vapor density:** Not determined.

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- | | |
|---|--|
| · Evaporation rate: | Not determined. |
| · Solubility in / Miscibility with:
Water: | Fully miscible. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity:
Dynamic @ 20 °C (68 °F):
Kinematic: | 1 mPas
Not determined. |
| · Solvent content:
Organic solvents:
Water:
VOC content: | 4.0 %
95.9 %
4.0 % |
| · Other information: | No further relevant information available. |

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **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:**
- **LD/LC50 values that are relevant for classification:**

67-63-0 Isopropyl alcohol

Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)
	LC50/96 hours	9640 mg/l (Pimephales)

- **Primary irritant effect:**
- **On the skin:** No irritating effect.
- **On the eye:** No irritating effect.
- **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.

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Trade name: Glass and Window Cleaner - Windex(r) type

Harmful

· **Carcinogenic categories:**

· **IARC (International Agency for Research on Cancer):**

67-63-0 Isopropyl alcohol	3
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· **NTP (National Toxicology Program):**

None of the ingredients are listed.

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

None of the ingredients are listed.

12 Ecological Information

· **Toxicity:**

· **Aquatic toxicity:**

67-63-0 Isopropyl alcohol

EC50	6851 mg/l (Green algae)
	5102 mg/l (Water flea)

· **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:**

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

· **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.

Observe all federal, state and local environmental regulations when disposing of this material.

· **Uncleaned packagings:**

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

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

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14 Transport Information

<ul style="list-style-type: none"> · UN-Number: · DOT, ADN, IMDG, IATA · ADR 	<p style="margin: 0;"><i>Non-Regulated Material</i></p> <p style="margin: 0;"><i>Non-Regulated Material</i></p> <p style="margin: 0;"><i>Not Regulated</i></p>
<ul style="list-style-type: none"> · UN proper shipping name: · DOT, ADR, ADN, IMDG, IATA 	<p style="margin: 0;"><i>Non-Regulated Material</i></p>
<ul style="list-style-type: none"> · Transport hazard class(es): · DOT, ADR, ADN, IMDG, IATA · Class: 	<p style="margin: 0;"><i>Non-Regulated Material</i></p>
<ul style="list-style-type: none"> · Packing group: · DOT, ADR, IMDG, IATA 	<p style="margin: 0;"><i>Non-Regulated Material</i></p>
<ul style="list-style-type: none"> · Environmental hazards: 	<p style="margin: 0;"><i>Not applicable.</i></p>
<ul style="list-style-type: none"> · Special precautions for user: 	<p style="margin: 0;"><i>Not applicable.</i></p>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: 	<p style="margin: 0;"><i>Not applicable.</i></p>
<ul style="list-style-type: none"> · UN "Model Regulation": 	<p style="margin: 0;"><i>Non-Regulated Material</i></p>

15 Regulatory Information

<ul style="list-style-type: none"> · Safety, health and environmental regulations/legislation specific for the substance or mixture: · SARA (Superfund Amendments and Reauthorization): 	<p style="margin: 0;"><i>None of the ingredients are listed.</i></p>
<ul style="list-style-type: none"> · Section 355 (extremely hazardous substances): 	<p style="margin: 0;"><i>None of the ingredients are listed.</i></p>
<ul style="list-style-type: none"> · Section 313 (Specific toxic chemical listings): 	<p style="margin: 0;"><i>67-63-0 Isopropyl alcohol</i></p>
<ul style="list-style-type: none"> · TSCA (Toxic Substances Control Act): 	<p style="margin: 0;"><i>All ingredients are listed.</i></p>
<ul style="list-style-type: none"> · California Proposition 65: 	<p style="margin: 0;"><i>None of the ingredients are listed.</i></p>
<ul style="list-style-type: none"> · Chemicals known to cause cancer: 	<p style="margin: 0;"><i>None of the ingredients are listed.</i></p>
<ul style="list-style-type: none"> · Chemicals known to cause reproductive toxicity for females: 	<p style="margin: 0;"><i>None of the ingredients are listed.</i></p>
<ul style="list-style-type: none"> · Chemicals known to cause reproductive toxicity for males: 	<p style="margin: 0;"><i>None of the ingredients are listed.</i></p>
<ul style="list-style-type: none"> · Chemicals known to cause developmental toxicity: 	<p style="margin: 0;"><i>None of the ingredients are listed.</i></p>

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• **Carcinogenic categories:**

• **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

• **TLV (Threshold Limit Value established by ACGIH):**

67-63-0 Isopropyl alcohol	A4
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• **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

• **GHS label elements** Non-Regulated Material

• **Hazard pictograms:** Non-Regulated Material

• **Signal word:** Non-Regulated Material

• **Hazard statements:** Non-Regulated Material

• **Precautionary statements:**

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Take off contaminated clothing.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water.

• **National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

• **State Right to Know:**

CAS: 7732-18-5	Water, distilled water, deionized water	95.9%
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CAS: 67-63-0	Isopropyl alcohol	4%
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RTECS: NT 8050000	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	
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CAS: 68603-25-8	ethoxylated propoxylated c8-c10 alcohols	0.1%
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All ingredients are listed.

• **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

• **Date of preparation / last revision:** 11/11/2015 / 8

• **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

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)

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Trade name: Glass and Window Cleaner - Windex(r) type

HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
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
BEI: Biological Exposure Limit
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

· * **Data compared to the previous version altered.**

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