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**Trade Name:** NovaGel Advanced Hand Sanitizer

**Date of first issued:** 4/8/2020

**Date of last issued:** 4/8/2020

### SECTION 1: Identification

**1.1 Product Name:** NovaGel Advanced Hand Sanitizer

**1.2 Supplier's details**

Manufacturer: Plasmadent, Inc.  
 Address: 3609 Mojave Court, Suite E, Columbia, MO, 65202, USA  
 Telephone: 573-607-9007  
 Emergency telephone: 573-607-9007

**1.3 Recommend use of the chemical and restrictions on use**

Recommended use: Hand sanitizer  
 Restriction on use: This is a personal care or cosmetic product that is safe for consumer and other users under normal and reasonably foreseeable use. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet

### SECTION 2: Hazard identification

**2.1 Classification of the Substance:**

**GHS Classification:**

Flammable liquids: Category 3  
 Eye irritation: Category 2A

**2.2 Label Elements:**

Hazard pictogram(s)



Signal word : Warning

Hazard Phrases	Precautionary Phrases
H226 Flammable liquid and vapor. H319 Causes serious eye irritation.	<p><b>Prevention:</b>                      P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.                      P233 Keep container tightly closed.                      P241 Use explosion-proof electrical/ventilating/lighting/equipment.                      P242 Use only non-sparking tools                      P264 Wash thoroughly after handling.                      P280 Wear protective gloves, protective clothing, eye protections and face protection.</p> <p><b>Response:</b>                      P303 + P361+ P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.                      P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>

	<p>P337 + P313 If eye irritation persists: Get medical advice/attention.</p> <p><b>Storage:</b> P403 + P234 Store in well-ventilated place. Keep cool.</p> <p><b>Disposal:</b> P501 Dispose of contents/container to an approval waste disposal plant.</p>
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**2.3 Other Hazards:** Vapors may form explosive mixture with air.

### SECTION 3: Composition/Information on ingredients

INCI Chemical Name	INN Name	CAS	Classification	% by Weight
Ethanol	-	64-17-5		60-75%
Aqua	Water	7732-18-5		25-35%
Glycerin	-	56-81-5		1~10%

### SECTION 4: First Aid Measures

#### 4.1 Description of First Aid Measures:

**General advice:** In case of accident or if you feel unwell, seek medical advice immediately

When symptoms persist or in all cases of doubt seek medical advice.

**EYES:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**SKIN:** After contact with skin, wash with water and soap as a precaution. Get medical attention if symptoms occur.

**INGESTION:** Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if symptoms occur.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention if symptoms occur.

#### 4.2 Most Important Symptoms and Effects Both Acute and Delayed:

May cause severe eye irritation.

#### 4.3 Protection of first-aiders

First Aid responders should pay attention to self-protection, and use the recommended personal equipment when the potential for exposure exists.

#### 4.4 Note to physician

Treat symptomatically and supportively

### SECTION 5: Fire-Fighting Measures

#### 5.1 Suitable extinguishing media

Water spray  
Alcohol-resistant foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)

#### 5.2 Unsuitable extinguishing media

High volume water jet

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

Do not use a solid stream as it may scatter and spread fire

Flash back possible over considerable distance

Vapors may form explosive mixture with air.

Exposure to combustion products may be a hazard to health.

**Hazardous combustion products** : Carbon oxides

#### **5.4 Special extinguishing methods**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.

#### **5.5 Special protective actions for fire-fighters**

General: Evacuate all personnel; use protective equipment for fire-fighting. Use self-contained breathing apparatus.

### **SECTION 6: Accidental release measures**

#### **6.1 Personal Precautions**

Remove all sources of ignition

#### **6.2 Protective Equipment and Emergency Procedures:**

Use personal protective equipment.  
Follow safe handling advice and personal protective equipment recommendations.

#### **6.3 Environmental Precautions:**

Discharge into the environment must be avoided.  
Prevent further leakage or spillage if safe to do so.  
Prevent spreading over a wide area (e.g. by containment or oil barriers)  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

#### **6.4 Methods and Material for Containment and Cleaning up:**

Non-sparking tools should be used.  
Soak up with inert absorbent material.  
Suppress (Knock down) gases/vapors/mists with a water spray jet.  
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.  
Clean up remaining materials from spill with suitable absorbent.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.

#### **6.5 Reference to Other Sections:**

Refer to section 8 for personal Protective Equipment and Section 13 for Disposal information.

### **SECTION 7: Handling and Storage**

#### **7.1 Technical measures:**

See Engineering measures under section 8

#### **7.2 Local/Total ventilation:**

Use with local exhaust ventilation  
Use only in an area equipped with explosion proof exhaust ventilation

#### **7.3 Precautions for Safe Handling:**

Avoid breathing vapors or spray mist.  
Avoid prolonged or repeated contact with skin.  
Do not get in eyes.  
Do not swallow.  
Handle in accordance with good industrial hygiene and safety practice.  
Non-sparking tools should be used.  
Keep container tightly closed.  
Keep away from heat and sources of ignition.  
Take precautionary measures against static discharges.  
Take care to prevent spills, waste and minimize release to the environment.

#### 7.4 Conditions for Safe Storage, Including Any Incompatibilities:

- Keep in properly labeled containers.
- Keep tightly closed.
- Keep in a cool, well ventilated place.
- Store in accordance with the particular national regulations.
- Keep away from heat and sources of ignition.

#### 7.5 Materials to avoid

- Do not store with the following product types:
  - Strong oxidizing agents
  - Organic peroxides
  - Flammable solids
  - Pyrophoric liquids
  - Pyrophoric solid
  - Self-heating substances and mixtures
  - Substances and mixtures which in contact with water emit flammable gases
  - Explosives
  - Gases

### SECTION 8: Exposure Control/Personal Protection

#### 8.1 Ingredients with workplace control parameters

Ingredients	CAS-No.	Form of exposure	Permissible concentration	Basis
Ethanol	64-17-5	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z1

#### 8.2 Personal protective equipment

- Eye protection: No special protective equipment required.
- Hand protection: No special protective equipment required.
- Skin protection: No special protective equipment required.
- Respiratory protection: No personal respiratory protective equipment normally required.
- Hygiene measures: No specific measures identified.

### SECTION 9: Physical and Chemical Properties

Appearance	: gel
Color	: transparent to semi-transparent
Odor	: alcoholic
pH	: 6.0-8.0
Flash point	: 17-23 °C
Melting point/freezing point	: no data available
Initial boiling point and boiling range	: no data available
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Upper explosion limit :	: no data available
Lower explosion limit	: no data available
Vapor pressure	: no data available
Relative vapor density	: no data available
Density	: 0.890 g/cm <sup>3</sup>
Water solubility	: Soluble
Solubility in other solvents :	: no data available
Partition coefficient: noctanol/water	: no data available
Autoignition temperature	: no data available
Thermal decomposition	: no data available

Viscosity	: 5000 – 11000 cP at 20 rpm (25°C)
Explosive properties	: no data available
Oxidizing properties	: no data available
Molecular weight	: no data available
VOC	: no data available

## SECTION 10: Stability and reactivity

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: None known.
Hazardous decomposition products	: None known

## SECTION 11: Toxicological information

### Information on likely routes of exposure

Inhalation  
 Skin contact  
 Ingestion  
 Eye contact

### Potential Health Effects

Eyes	: Causes serious eye irritation.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.

### Experience with human exposure

Eye contact	: Redness, Pain, Irritation
Skin contact	: No symptoms known or expected.
Ingestion	: No symptoms known or expected.
Inhalation	: No symptoms known or expected

### Toxicity

Acute oral toxicity	: Acute toxicity estimate > 5,000 mg/kg
Acute inhalation toxicity	: no data available
Acute dermal toxicity	: no data available
Skin corrosion/irritation	: no data available
Serious eye damage/eye irritation	: no data available
Respiratory or skin sensitization	: no data available
Carcinogenicity	
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Reproductive effects	: no data available
Germ cell mutagenicity	: no data available
Teratogenicity	: no data available
STOT-single exposure	: The substance or mixture is not classified as specific target organ toxicant, single exposure.
STOT-repeated exposure	: no data available

Aspiration toxicity : no data available

**Ingredients**

Acute inhalation toxicity : ethanol  
4 h LC50 rat: 117 mg/l

**SECTION 12: Ecological information**

**Ecotoxicity**

Environmental Effects : Harmful to aquatic life.

**Product**

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae : no data available

Toxicity to algae : no data available

**Ingredients**

Toxicity to fish : ethanol  
96 h LC50 Fish: 11,000 mg/l

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**Other adverse effects**

no data available

**SECTION 13: Disposal consideration**

Disposal methods : The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers.

RCRA - Resource Conservation and Recovery Act Hazardous waste : D001 (Ignitable)

RCRA - Resource Conservation and Recovery Act Hazardous waste : No symptoms known or expected

**SECTION 14: Transportation Information**

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings comply with the selected mode of transport

**International Regulation**

**UNRTDG**

UN number : UN 1987  
Proper shipping name : ALCOHOLS, N.O.S.  
Class : 3  
Packing group : III  
Labels : 3

**IATA-DGR**

UN/ID No. : UN 1987  
 Proper shipping name : ALCOHOLS, N.O.S.  
 Class : 3  
 Packing group : III  
 Labels : Flammable Liquids  
 Packing instruction (cargo aircraft) : 366  
 Packing instruction (passenger aircraft) : 355

**IMDG-Code**

UN number : UN 1987  
 Proper shipping name : ALCOHOLS, N.O.S.  
 Class : 3  
 Packing group : III  
 Labels : 3  
 EmS Code : F-E, S-D  
 Marine pollutant : no

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
 Not applicable for product as supplied

**Domestic regulation**

**49 CFR**

UN/ID/NA number : UN 1987  
 Proper shipping name : ALCOHOLS, N.O.S.  
 Class : 3  
 Packing group : III  
 Labels : FLAMMABLE LIQUID  
 ERG Code : 127  
 Marine pollutant : no

**SECTION 15: Regulatory Information**

**EPCRA - Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

<b>SARA 311/312 Hazards</b>	: Fire Hazard Acute Health Hazard
<b>SARA 302</b>	: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
<b>SARA 313</b>	: SARA 313: 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.

**The ingredients of this product are reported in the following inventories:**

<b>AICS</b>	: All ingredients listed or exempt.
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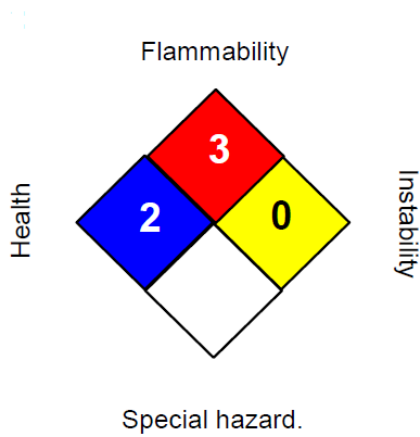
**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), NECSI (Taiwan), TSCA (USA)

**SECTION 16: Other Information**

**Further information**

**NFPA:**



**HMIS III:**

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

**PREPARED BY:** PlasmaDent Inc.

**REVISION SUMMARY:** Rev1 April 2020

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