

## Safety Data Sheet

### SECTION 1 : Chemical product and company identification

**1.1 Product name:** ProtectorPlus™ 75% alcohol disinfection disposable gel

**1.2 Product code :** 12-75-500

**1.3 Manufacture :** Guangdong Oderlan Hi-tech Daily Suppliers Co. Ltd

**1.4 Address:** 18 Highland Park Way NE. Airdrie, AB, Canada, T4A 2L5

**1.5 Telephone number:** 1-587-887-2272

**1.6 Emergency phone number:** 1-587-731-0688

**1.7 Post code:** T4A 2L5

**1.8 E-mail:** info@cancreativ.com

**1.9 Relevant intended uses of the product :** For hand and skin hygiene, disinfection and sterilization.

### SECTION 2 : Hazards identification

**2.1 Hazard statement:** This product is a flammable liquid, category 2.

**2.2 Physical and chemical hazards:** this product is flammable and irritating.

**2.3 Health hazards:** Inhalation may cause coughing, headache, nausea, dizziness, imbalance and confusion. If swallowed or vomited, the fluid may be inhaled into the lungs, causing inhalation hazards.

**2.4 Environmental hazards:** no data available

### SECTION 3 : Composition/information on ingredients

**3.1 Chemical category:** mixture

**3.2 Main ingredients**

Substances	CAS No.	Content(%)
Deionized water	7732-18-5	20-25
ethanol	64-17-5	70-80
carbomer	9062-04-8	1-2
triethanolamine	102-71-6	1-2

## SECTION 4 : First aid measures

### 4.1 Inhalation:

- 4.1.1 Remove the patient from the exposed area.
- 4.1.2 If breathing stops, clear the respiratory tract immediately and perform CPR.
- 4.1. 3 If breathing is difficult, take oxygen.
- 4.1.4 Keep the patient's body temperature and rest.
- 4.1.5 Seek medical attention immediately.

**4.2 Skin contact:** rinse with water. take off all clothing contaminated by the product.

### 4.3 Eye contact:

rinse immediately with plenty of running water (for 15 minutes). seek medical attention if necessary.

### 4.4 Ingestion:

- 4.4.1 If the patient is awake, take warm water, drink or milk to dilute the concentration in the stomach.
- 4.4.2 If the patient has spontaneous vomiting or vomiting, observe whether the patient has difficulty breathing.
- 4.4.3 Do not induce vomiting on patients with unclear consciousness or semi-convulsion.
- 4.4.4 Keep the patient's body temperature and rest.
- 4.4.5 If you eat a lot or have gastrointestinal symptoms, seek medical advice immediately

**4.5 Special note to doctor:** no special note.

## SECTION 5 : Fire-fighting measures

**5.1 Hazard characteristics:** Flammable, the vapor and air can form an explosive mixture; Combustion explosion caused by open fire and high thermal energy; Chemical reaction with oxidizer or combustion; Containers heated in a fire are in danger of exploding; Its vapor is heavier than air and can spread far away, which may cause temper in case of fire.

**5.2 Extinguishing media :** Anti - alcohol foam, dry powder, carbon dioxide, sand, 1211

### 5.3 Extinguishing method:

- 5.3.1 Spray water to cool containers, buildings and protection personnel exposed to fire.
- 5.3.2 If the leakage does not ignite, ventilate the leakage area and spray water to disperse the vapor.
- 5.3.3 Dilute the leakage with water and flush it away from the fire source, but avoid flushing

it into public sewers and drinking water systems.

5.3.4 If there is any storage tank or tanker in the fire site, evacuate the area 1 km away.

5.3.5 Evacuate to a safe distance area or a safe place to extinguish the fire.

5.3.6 Located in the upper tuyere to avoid dangerous vapors and toxic decomposition.

5.3.7 Before the fire should stop the overflow, otherwise the vapor and air will form an explosive mixture and reignited; If the spill cannot be stopped and there is no danger around, let the fire burn itself out first.

5.3.8 Isolate unburned substances and protect personnel safety.

5.3.9 Remove the container from the fire site under safe conditions. A storage tank or container that is cooled by flush water and exposed to fire.

**5.4 Special protective precautions and equipment for fire fighters:** Must wear gas mask, fire clothing, protective gloves.

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

**6.1 Personal precautions:** 1. Restrict personnel access until the spill area is cleaned. 2.

Personnel without training shall not participate in the cleaning work. 3. Cleaning personnel must wear appropriate personal protective equipment.

**6.2 Personal protective equipment:** First responders are advised to wear gas masks, fire suits and protective gloves.

### **6.3 Emergency action:**

6.3.1 Evacuate and keep away from all idle personnel.

6.3.2 Clean-up personnel shall be located in the upper wind and shall not join low-lying areas.

6.3.3 Guard and isolate the dangerous area to prevent non-relevant personnel from entering.

6.3.4 Open fire, smoking and all sources of danger are strictly prohibited in dangerous areas.

6.3.5 Take measures to stop leakage under the condition of ensuring safety.

6.3.6 Increase water spraying to reduce the occurrence of steam.

6.3.7 Avoid leakage into the sewer, because there will be fire and explosion risk.

6.3.8 A small amount of leakage can be absorbed by sandy soil or non-combustible absorbers, and then rinse the leakage area with water. large leakage can be dammed up and then treated.

**6.4 Environmental protection measures:** Do not discharge to sewers, rivers and underground sources.

**SECTION 7 : Handling and storage**

**7.1 Precautions for operation:** 1. Do not eat or smoke in the working area. 2. Avoid breathing in steam. Operate in well-ventilated areas.

**7.2 Storage precautions:** 1. Store in an airtight container. 2. Store in a cool, dry and ventilated place away from heat sources, sparks, open fires and hot surfaces. Store away from incompatible materials and food containers.

**7.3 Packing materials:** PET or HDPE packing materials are recommended.

**SECTION 8 : Exposure controls/personal protection**

**8.1 Occupational exposure limits:** no data available.

**8.2 Engineering control method:** Maintain adequate ventilation, especially in enclosed areas. Use explosion-proof electrical appliances, ventilation, lighting and other equipment.

**8.3 Respiratory protection:** Respiratory protection: below 3300ppm: air supply respiratory protective mask; Unknown concentration: positive pressure supply respirator mask.

**8.4 Hand protection:** wear chemical protective gloves.

**8.5 Eye protection:** wear chemical safety glasses.

**8.6 Body protection:** ordinary work clothes.

**8.7 Other protection:** change working clothes in time. Maintain good hygiene.

**SECTION 9 : Physical and chemical properties**

**9.1 Appearance and properties :** liquid (Gel.).

**9.2 Odor :** not determined.

**9.3 PH value (25°C, stock solution) :** 6.0-9.0

**9.4 Boiling point (°C) :** no data available.

**9.5 Melting point (°C) :** no data available.

**9.6 Flash point (°C) :** 22°C( closed cup)

**9.7 Saturated vapor pressure (kPa) :** no data relative.

**9.8 Vapor density (air =1) :** no data available.

**9.9 Density (20°C, g/cm<sup>3</sup>) :** 0.880 ± 0.05

**9.10 Decomposition temperature (°C) :** no data available.

**9.11 Upper explosion limit [% (V/V) ] :** no data available.

**9.12 Lower explosion limit [% (V/V) ] :** no data available.

**9.13 N-octanol/water distribution coefficient:** no data available.

**9.14 Spontaneous combustion temperature (°C) :** no data available.

**9.15 Solubility:** soluble in water.

## **SECTION 10: Stability and reactivity**

**10.1 Chemical stability:** stable under normal conditions of temperature and pressure.

**10.2 Possibility of hazardous reactions:** It can react violently when mixed with strong oxidizer.

**10.3 Conditions to avoid :** High temperature fire

**10.4 Incompatible materials:** no data available .

**10.5 Hazardous decomposition products:** Under normal storage and use conditions, no dangerous decomposition products are produced.

## **SECTION 11 : Toxicological information**

**11.1 Acute toxicity:** 1. May harm the central nervous system, with symptoms listed as "inhalation". 2. LD50:7060mg/Kg (rats, transoral) LC50:39mg/L (mice, inhalation)

**11.2 Acute dermal toxicity:** no data available .

**11.3 Acute inhalation toxicity:** 1. May irritate respiratory tract and mucous membrane. 2. May harm the central nervous system. Symptoms include excitement, intoxication, headache, dizziness, drowsiness, blurred vision, fatigue, trembling, convulsion, loss of consciousness, lethargy, respiratory arrest and death.

**11.4 Skin corrosion or irritation:** No stimulation

**11.5 Eye corrosion or irritation:** 1. Moderate irritation may be caused by exposure to liquid, vapor smoke or fog droplets. 2. Direct contact may cause irritation, tingling, corneal inflammation and even injury.

**11.6 Respiratory or skin sensitization:** Long-term skin contact, a few people may have skin allergies.

**11.7 Germ cell mutagenicity:** no data available .

**11.8 Carcinogenicity:** no data available .

**11.9 Reproductive toxicity:** no data available .

## **SECTION 12 : Ecological information**

**12.1 Ecotoxicity:** no data available .

**12.2 Persistence and degradability:** no data available .

**12.3 Potential bioaccumulation:** no data available .

**12.4 Mobility in soil:** no data available .

### **SECTION 13 : Disposal considerations**

**13.1Waste disposal:** recycling waste as much as possible. If it cannot be recycled, it shall be disposed of according to the requirements of relevant national and local laws and regulations. Or contact the manufacturer to determine the disposition.

### **SECTION 14 : Transport information**

**14.1 UN number:** 1170

**14.2 United Nations transport name:** ethanol(ethylcohol)or ethanol solution (ethyl alcohol solution)

**14.3 United Nations risk classification:** 3

**14.4 Marine pollutants (yes/no) :** no

**14.5 Packing type:** II

**14.6 Transportation precautions:**1, hot season should be morning and evening transport, to prevent the sun exposure; 2. Transport should be separated from oxidizer; 3. If iron is used barrels or plastic barrels should be handled to prevent damage to the container.

### **SECTION 15 : Regulatory information**

**15.1** Regulations on the safety administration of dangerous chemicals (order of the state council no. 591)

**15.2** List of dangerous goods (GB 12268-2012)

**15.3** Safety data sheet for chemical products—Content and order of sections (GB/T 16483-2008)

**15.4** Regulations on the safe use of chemicals in the workplace.

**15.5** Technical specification for disinfection (2002 edition)

**15.6** General rule for classification and hazard communication of chemicals (13690-2009).

### **SECTION 16 : Other information**

**16.1 References:** Zhou guotai, safety technology of hazardous chemicals, chemical industry press .

**16.2** It is compiled according to GB/T 16483 and GB/T 17519

**16.3 Company name :** Guangdong Oderlan Hi-tech Daily Suppliers Co. Ltd

**16.4 reported by :** Li Jiachang

**16.5 Auditor:** RuanZiCheng

**16.6 Prepared date:** February 06, 2020

**16.7 Last revision date:** —