

# SAFETY DATA SHEET

## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

### PETRA HYGIENIC SYSTEMS

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**PRODUCT NAME:** PETRA HAND SANITIZER 75% ALCOHOL  
**PRODUCT CODE:** MC4210  
**SYNONYM:** HAND SANITIZER

## SECTION 2 – HAZARDS IDENTIFICATION



**Physical State:** Clear liquid gel  
**OSHA/HCS status:** This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)  
**GHS Classification:** Flammable Liquids, Category 2  
 Eye Irritation, Category 2A  
**Signal Word:** Danger  
**Hazard Statement:** Highly Flammable Liquid and Vapour  
 Causes Serious Eye Irritation

### Potential health effects:

**Eye contact:** May cause slight eye irritation. Signs and symptoms include burning, tearing, redness and swelling.  
**Skin contact:** Not expected to be irritating or sensitizing if used as directed. If irritation occurs following use or prolonged contact, it is expected to be mild and transient.  
**Inhalation:** May cause mild, transient respiratory irritation. Avoid prolonged contact to concentrated vapors.  
**Ingestion:** May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

This material is classified as hazardous under OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of this product. This MSDS should be retained and available for employees and other users of this product.

(Specific Chemical Identity, Common Name(s))	CAS No.	Content (%)
Ethyl Alcohol	64-17-5	75
Deionized Water	7732-18-5	24.6
Carbomer Resin	9007-20-9	0.4

## SECTION 4 - FIRST AID MEASURES

**Inhalation:** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen.  
**Skin contact:** Wash off immediately with soap and plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.  
**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.  
**Ingestion:** If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

## SECTION 5 - FIRE-FIGHTING MEASURES

<b>Flash Point &amp; Method:</b>	72 °F (22°C); CC ASTM D93
<b>Autoignition temperature:</b>	363°C
<b>Unusual Fire and Explosion Hazards:</b>	<b>Flammable Liquid.</b> Explosive mixtures may form with air if large quantities of product are released in unventilated areas. May emit toxic fumes under fire conditions.
<b>Reactivity Hazard:</b>	None known
<b>Suitable extinguishing media:</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
<b>Hazardous combustion products:</b>	Carbon monoxide, Carbon dioxide (CO <sub>2</sub> ).
<b>Special Fire Fighting Procedure:</b>	<b>Flammable material.</b> Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Evacuate personnel to safe areas. Ventilate area and eliminate all ignition sources. Keep people away from and upwind of spill/leak. Use personal protective equipment.
<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.
<b>Clean-up methods:</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Prevent product from entering drains. Clean spill area thoroughly. Local authorities should be advised if significant spillages cannot be contained.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid heat, sparks, flame or smoking during use. Use only in ventilated areas. Avoid spraying toward open flame. Avoid excessive contact with skin, eyes and clothing. Avoid breathing mists, dusts or vapors. Wash hands thoroughly after handling.
<b>Storage:</b>	Keep containers tightly closed in a cool, well-ventilated place. Keep product and empty containers away from heat and sources of ignition. Store in accordance with local requirements for Class 1B Flammable Liquids.
<b>Additional Storage:</b>	Not required under normal use

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering measures:</b>	This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Use adequate local exhaust ventilation if airborne dusts, mists, or vapors will be generated. Use NIOSH/MSHA approved respirator whenever exposure limits exceeded.
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### Personal Protective Equipment

<b>Eye protection:</b>	Not Required under normal use
<b>Skin and body protection:</b>	Not Required under normal use
<b>Respiratory protection:</b>	Not Required under normal use
<b>Hand protection:</b>	Not Required under normal use
<b>Hygiene measures:</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Exposure controls TLV/PEL:</b>	N/A

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid gel
<b>Color:</b>	Clear
<b>Odor:</b>	Characteristic Odor
<b>pH:</b>	6
<b>Physical state:</b>	Liquid
<b>Boiling point/range:</b>	>212°F / >100 °C
<b>Melting point/range:</b>	No data available
<b>Flash Point &amp; Method:</b>	72°F (22°C) CC ASTM D93
<b>Evaporation Rate:</b>	No data available
<b>Flammability:</b>	Highly Flammable Liquid and Vapor
<b>Upper Flammability or Explosive Limits:</b>	3.3% - Ethanol
<b>Lower Flammability or Explosive Limits:</b>	15% - Ethanol
<b>Vapor Pressure:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>Relative Density:</b>	0.86-0.88 (Water = 1)
<b>Solubility(ies):</b>	Soluble in Water
<b>Partition Coefficient: n-octanol/water:</b>	No data available

**Auto-ignition Temperature:** 363 °C  
**Decomposition Temperature:** No data available  
**Viscosity:** 4,350 cps

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable at normal conditions  
**Possibility of Hazardous Reactions:** Will not occur  
**Conditions to avoid:** Avoid extreme heat, open flames and ignition sources. Oxidizing Agents.  
**Incompatible Materials:** Alkali Metals, Oxidizing Agents  
**Hazardous decomposition products:** No decomposition if stored normally

## 11. TOXICOLOGICAL INFORMATION

This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use.

**Acute toxicity Product Information:** No data available

### Local effects

**Skin irritation:** May cause skin irritation and/or dermatitis.  
**Eye irritation:** Contact with eyes may cause irritation.  
**Inhalation:** May cause irritation of respiratory tract.  
**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
**Chronic toxicity:** No information available

### Specific effects

**Carcinogenic effects:** No classification data on the carcinogenic properties of this material is available from the IARC, NTP or OSHA

**Target Organs:** None

## 12. ECOLOGICAL INFORMATION

**Aquatic toxicity Product Information:** No data available  
**Persistence and degradability:** No data available  
**Mobility in Soil:** No data available  
**Bioaccumulative potential:** No data available  
**Physical / Chemical:** No data available

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** Do not contaminate ponds, waterways or ditches with chemical or used container.  
**RCRA Hazardous Waste:** When disposed as waste this product are an ignitable hazardous waste, D001, (40 CFR 261).  
 Dispose of in accordance with Local, State and Federal regulations.

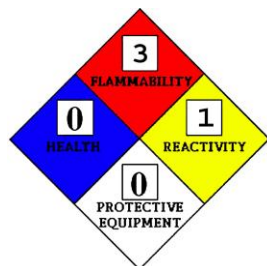
## 14. TRANSPORT INFORMATION

**Proper shipping name:** Ethanol Solutions  
**ICAO/IATA Class:** UN1170, Ethanol Solutions, Class 3, PGII, 22C(c.c.)  
**IMDG Class:** UN1170, Ethanol Solutions, Class 3, PGII, 22C(c.c.)

## 15. REGULATORY INFORMATION

**Canada Regulations:** WHMIS 2015 Classification. B2: Flammable liquid.  
**US Regulations:** Environmental Protection Act: Constituents of this product are included on the TSCA inventory. OSHA (29CFR 1910.1200).

## 16. OTHER INFORMATION



All information, recommendations & suggestions appearing herein concerning our product are based upon tests & data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, & suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, express or implied, is made by PHS International Ltd., as to the effects of such use, the results to be obtained, or the safety and toxicity of the product. Nor does PHS International Ltd. assume any liability arising out of the use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information is necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

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