# 1. Identification of the substance/mixture and of the company/undertaking

**1.1 Product identifier**

**Trade Name: Hand Sanitizer Liquid & Gel, 70% Extra Strength**

**Intended use: Hand Sanitizer**

## 1.3 Details of the Distributor/supplier of the safety data sheet

**Manufacturer: Commonwealth Specialty Chemical**

5818 Wilmington Pike #212

Centerville, Ohio 45459 (937) 848-2098

## 1.4 Emergency telephone number

**(937) 848-2098** Domestic USA, Canada, Puerto Rico, and US Virgin Islands **+1 848-2098** International

# 2. Hazards Identification

## 2.1 Classification of the substance or mixture

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

## Classification according to GHS Regulation (EC) No 1272/2008

|  |  |
| --- | --- |
| Flammable Liquids Category 3 |  |
| Eye Irritation category 2B |  |
|  |  |

## Classification EU (67/548/EEC, 199/45/EC)

Xi - Irritant

R36 - Irritating to eyes

R22 - Harmful if swallowed

**2.2 Label elements**



**Labeling (REGULATION (EC) No 1272/2008) Hazard pictograms**

## Signal Word: Caution

## Hazard statements

|  |  |
| --- | --- |
| H227 | Flammable Liquid |
| H302 | Harmful if swallowed |
| H319 | Causes eye irritation |
|  |  |
| **Precautionary Statements:** | **Response:** |
| P235 | Keep cool |
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray |
| P270 | Do not eat, drink or smoke when using this product |
| P273 | Avoid release to the environment |
| P301 + P312 + P330 | IF SWALLOWED: If you feel unwell, Call a POISON CENTER or doctor/physician,  Rinse mouth |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if present and easy to do, continue rinsing |
| P314 | Get Medical advice/attention if you feel unwell |
| P333 + P313 | If skin irritation or a rash occurs: Get medical advice/attention |
| P337 + P313 | If eye irritation persists: Get medical advice/attention |
| P370 + P378 | In case of fire: Use Carbon dioxide (CO2), Dry chemical, or Foam for extinction. Do not use a direct water jet on burning material |
| P391 | Collect Spillage |
|  |  |
|  |  |
|  |  |

**2.3 Other Hazards no data available**

# 3. Composition/Information on Ingredients

## 3.1 Mixtures

Sanitizer products are complex mixtures of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CAS#**  **Ingredient** | **Conc. % Range** | **CAS - NO** |  | |
| Denatured Ethyl Alcohol Propylene Glycol | **70-75**  **0-5** | **64-17-5**  **57-55-6** |  | |
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|  | |
|  | |  |  |
| **CAS# EC# Range** | | **GHS Classification** | **EU Classification** |

## 4.1 Description of first aid measures

|  |  |
| --- | --- |
| **Inhalation:** | If you feel unwell, remove from exposure site to fresh air. |
| **Eye Exposure:** | Flush with water for at least 15 minutes. Contact physician if symptoms persist. |
| **Ingestion:** | If you feel unwell, Rinse mouth with water and obtain medical advice. |
|  |  |

## 4.2 Most important symptoms and effects, both acute and delayed

**Symptoms:**  If ingested, possible loose stool, abdomen cramps

**Risks:** Refer to Section 2.2 "Hazard Statements"

**4.3 Indication of any immediate medical attention and special treatment needed**

**Treatment:** Refer to Section 2.2 "Response"

# 5. Fire-Fighting measures

## 5.1 Extinguishing media

**Suitable:** Carbon dioxide (CO2), Dry chemical, Foam

**Unsuitable** Do not use a direct high volume water jet on burning material

## 5.2 Special hazards arising from the substance or mixture during firefighting:

|  |  |
| --- | --- |
| **5.3 Advice for Firefighters** | Carbon oxides  Keep cool and away from sources of ignition. Vapors can accumulate in low areas and form explosive concentrations. |
| **Further information:** | In the event of fire or explosion, use breathing apparatus |

## 6.1 Personal precautions, protective equipment and emergency procedures

Avoid concentrated inhalation and contact with broken skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

**6.2 Environmental precautions**

Keep away from drains, soil, and surface and groundwater.

## 6.3 Methods and materials for containment and cleaning up

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of concentrated vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

**6.4 Reference to other sections**

Not Applicable

# 7. Handling and Storage

## 7.1 Precautions for safe handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

## 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container.

**7.3 Specific intended end uses**

Personal Hand Sanitizer applied to unbroken skin

# 8. Exposure Controls / Personal Protection

## 8.1 Control parameters

**Exposure Limits:** Contains no substances with occupational exposure limit values

**Engineering Controls:** Use local exhaust as needed.

## 8.2 Exposure controls - Personal protective equipment

**Eye protection:** Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure

**Respiratory protection:** Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate

**Skin protection:** No protective equipment is needed under normal use

# 9. Physical and Chemical Properties

## 9.1 Information on basic physical and chemical properties

|  |  |
| --- | --- |
| **Appearance:** | Clear, Conforms to Standard |
| **Odor:** | Alcoholic, Conforms to Standard |
| **Color:** | None, Clear |
| **Viscosity:** | Gel, approx. 85,000 cps @77 F, 25C |
| **PH:** | 6.5 typical |

**Evaporation Rate:** <1

**Melting Point:** Liquid gel

**Flashpoint:** 70 F

## Upper/lower flammability limits% 19; 3.3

## Specific Gravity @ 25 C: .88

## Soluble in: Water

**10**

**. Stability and Reactivity**

|  |  |
| --- | --- |
| **10.1 Reactivity** | None |
| **10.2 Chemical stability** | Stable |
| **10.3 Possibility of hazardous reactions** | None known |
| **10.4 Conditions to avoid** | High Heat, Sources of Ignition |
| **10.5 Incompatible materials** | Strong oxidizing agents, strong acids, and alkalis |
| **10.6 Hazardous decomposition products** | Carbon Oxides |

# 11. Toxicological Information

## 11.1 Toxicological Effects

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"

|  |  |
| --- | --- |
| **Skin corrosion / irritation** | No symptoms known or expected |
| **Serious eye damage / irritation** | Causes eye irritation, redness |
| **Respiratory sensitization** | No symptoms known or expected |
| **Skin sensitization** | No symptoms known or expected |
| **Germ cell mutagenicity** | None |
| **Carcinogenicity** | No components are classified as carcinogenic |
| **Reproductive toxicity** | No symptoms known or expected |
| **Specific target organ toxicity - single exposure** | None |
| **Aspiration hazard** |  |
|  |  |

**12**

**. Ecological Information**

## 12.1 Toxicity

|  |  |
| --- | --- |
| **Toxicity Data on soil** | no data available |
| **Toxicity on other organisms** | no data available |
| **12.2 Persistence and degradability** | no data available |
| **12.3 Bioaccumulative potential** | no data available |
| **12.4 Mobility in soil** | no data available |
| **12.5 Other adverse effects** | no data available |

# 13. Disposal Conditions 13.1 Waste treatment methods

The products ingredients are expected to be safe for the environment at the concentration predicted under normal use and accidental spill scenarios. However, **DO NOT** allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

RCRA - D001 (Ignitable)

**14**

**. Transport Information**

|  |  |  |  |
| --- | --- | --- | --- |
| **Regulator** | **Class Pack Group Sub Risk** | | **UN-nr.** |
| **U.S. DOT**  Ethanol Solution  **IMDG (Vessel)**  Ethanol Solution | Flammable 3 II    Flammable 3 II | | 1987  1987 |
| **IATA (Air Cargo)**  Ethanol Solution | Not | Not Flammable 3 II | 1987 |
|  |  |  |  |

**15. Regulatory Information**

**Additional European Regulations:**

**European Union (EINECS, ELINCS or NLP):** 100.00% (by Wt) of the components are listed or exempt.

**Additional Asian Regulations:**

**Australian AICS:** 100.00% (by Wt) of the ingredients on AICS or notified.

**Chinese IECS:** 100.00% (by Wt) of the ingredients on IECS.

**Japan ENCS:** 99.50% (by Wt) of the ingredients on ENCS, fall within the 1000

kilogram per annum exemption or have been notified.

**Korea KECL:** 100.00% (by Wt) of the ingredients on KECL, fall within the 100

kilogram per annum exemption or have been notified.

**New Zealand NZIoC:** 100.00% (by Wt) of the ingredients on NZIoc.

**Philippines PICCS:** 100.00% (by Wt) of the ingredients on PICCS.

**16**

**. Other Information**

**GHS H-Statements referred to under section 3**

## Total Fractional Values

(TFV) Risk

(4.57) Eye Irritation, Category 2A

## Department issuing data sheet: Regulatory Affairs Group 3/29/20

Remarks

This safety data sheet is based on the properties of the material known at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For an individual safety assessment Commonwealth Homes Inc holds no responsibility. This document is not intended for quality assurance purposes.