**Material Safety Data Sheet**

**Section 1: Substance / Preparation and Company Identification**

**Naguia Essentials Hand Sanitizer**

**Product Use:** Hand Sanitizer

**Company:** Rinaguian Enterprises

**Company Address:** #156 Brgy. Banlic Calamba City Laguna

**Company Tel. nos.:**0916 272 7209

**Section 2: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:** Keep out of reach of children.

Appearance/Odor: Light green liquid (gel type)

**WARNING:**

Flammable (ethyl alcohol)

Target (ethyl alcohol) respiratory system, skin, eyes, CNS, liver, blood and reproductive system.

**Potential Health Effects:** See Section 11 for more information.

**Symptoms of Exposure:**

Inhalation: May cause irritation of the respiratory tract.

Ingestion: May cause nausea, vomiting and diarrhea.

Eyes: May cause irritation to the eyes.

Skin: None expected.

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC

or NTP.

This material contains a component that is considered hazardous by the OSHA Hazard

Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: See Section 12 for more information.

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Component CAS# % by Wt.

Ethyl Alcohol 70%

**Section 4: FIRST AID MEASURES**

**Emergency first aid procedures by route of exposure:**

**Inhalation:** If symptoms are experience, remove source of contamination or move victim to

fresh air. If affected person is not breathing, apply artificial respiration. If

breathing is difficult, give oxygen. Get medical attention.

**Ingestion:** Do not induce vomiting. If the material is swallowed, get medical attention or

advice.

**Skin:** If irritation is experienced, flush with water. If irritation persists, get medical

attention.

**Eyes:** Immediately flush eyes with water for at least 15 minutes while holding eyelids

open. If symptoms persist, get medical attention.

**Section 5: FIRE FIGHTING MEASURES**

Flash Point: 71°F (21.6°C)

Method Used: ASTM D 93

Lower Flammable Limit: 3.3 (Volume % in air)

Upper Flammable Limit: 19.0 (Volume % in air)

Auto Ignition: (Ethyl Alcohol) 363°C

Flammability Classification: Flammable Liquid ΙB

Extinguishing Media: Use methods appropriate for the surrounding fire. Consider water spray

or fog, carbon dioxide, dry chemical powder, or alcohol resistant foam.

Products of Combustion: Upon decomposition this product may emit carbon dioxide, carbon

monoxide and/or low molecular weight hydrocarbons.

Fire Fighting Equipment/Instructions: Wear protective clothing and equipment suitable for the

surrounding fire, including helmet, facemask, and self-contained breathing apparatus.

NFPA Rating: Health:2 Fire: 3 Reactivity:0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**Section 6: ACCIDENTAL RELEASE MEASURES**

Personal Precautions: For large spills wear gloves, safety glasses and when levels exceed

OSHA PEL use appropriate NIOSH approved respiratory protection. Keep unnecessary

personnel away. Eliminate all sources of ignition or flammables that may come into contact with

a spill of this material.

Environmental Precautions: Prevent discharge to open waters.

Method for Containment: Absorb spilled liquid in suitable non-flammable inert material such as

clay, vermiculite or diatomaceous earth.

Methods for Clean-Up: Ventilate area of leak or spill. Use spark-proof tools to sweep or scrape

up and containerize in approved chemical waste container. Wash spill area with water.

**Section 7: HANDLING AND STORAGE**

Handling: Keep away from heat, sparks and flame. Prevent contact with eyes. Avoid

inhalation.

Storage: Keep the container tightly closed and in a cool, well ventilated place.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure Guidelines

Ethyl Alcohol (64-17-5)

ACGIH: 1,000 ppm TWA

OSHA: 1,000 ppm TWA; 1,900 mg/m3 TWA

Engineering Controls: Normal room ventilation is usually adequate under normal use.

Personal Protective Equipment (PPE)

Eye/Face Protection: None needed under normal use.

Skin Protection: None needed under normal use.

Respiratory Protection: None needed under normal use.

General Hygiene Considerations: None needed under normal use.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance/Color**: Light green Liquid (Gel Type)

**Odor:** Fresh

**Physical State**: Gel

**pH:** 5.5-7.0

**Vapor Density:** (Ethyl Alcohol) 1.6

**Boiling Point:** (Ethyl Alcohol) 78.5°C

**Vapor Pressure:** (Ethyl Alcohol) 57.3 hPa at 20°C

**Melting Point:** (Ethyl Alcohol) -114.1°C

**Freezing Point:** Not Available

**Flash Point** (see section 5)

Flammability Properties (see section 5)

**Solubility** (in water): Soluble

**Specific Gravity** @ 25°C: 0.880-0.920

**Evaporation Rate:** Not Available

Octanol/Water partition coefficient (Kow): (Ethyl Alcohol): - 0.32

Auto-ignition temperature: (Ethyl Alcohol) 363°C

Decomposition temperature: Not Available

**Section 10: STABILITY AND REACTIVITY**

Stability: Stable under normal ambient temperatures 70°C (21°C)

Condition to Avoid: Avoid excessive heat or sources of ignition.

Incompatible Materials: This product reacts with strong acid, strong bases, and oxidizing

agents.

Hazardous Decomposition: upon decomposition, this product evolves carbon monoxide, carbon

dioxide, and/or low weight hydrocarbons.

Hazardous Reactions: Hazardous polymerization will not occur.

**Section 11: TOXICOLOGY INFORMATION**

**ACUTE EFFECTS:**

A: General Product information

Product contains ethyl alcohol.

B: Component Analysis LD50

Ethyl Alcohol (64-17-5)

Oral LD50 Rat: 7060 mg/kg

**CHRONIC EFFECTS:**

Component

Ethyl Alcohol (64-17-5)

Carcinogenicity: ACGIH A4 – Not Classifiable as a Human Carcinogen

Neurotoxicity: This product contains ethyl alcohol, a central nervous system target.

**Mutagenicity:** No information available for product.

**Reproductive:** No information available for product.

**Developmental:** Ethyl alcohol is a developmental toxin when consumed during

pregnancy.

**Target Organs:** When consumed, ethyl alcohol can target the

respiratory system, skin, eyes, CNS, liver, blood and reproductive system.

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Ethyl Alcohol (64-17-5)

96 hour LC50 Oncorhynchus mykiss: 12,900 mg/L (flow-through) (30days old)

96 hour LC50 Pimephales promelas 14.2 mg/L

5 min EC50 Photobacterium phosphoreum: 35,470 mg/L

30 min EC50 Photobacterium phosphoreum: 34,634 mg/L

48 hour EC50 Daphnia magna: 9,268 mg/L

24 hour EC50 Daphnia magna: 10,800 mg/L

Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state, and local regulations.

**Section 14: TRANSPORTATION INFORMATION**

**Land Transport (DOT)**

UN Number : 1170

Description of the goods : Ethanol Solution

Class : 3

Packing group : 3

Environmentally hazardous : no

**Sea Transport (IMDG/IMO)**

UN Number : 1170

Description of goods : Ethanol Solution

**Section 15: REGULATORY INFORMATION**

Ethyl alcohol, a component of this product, is on the TSCA inventory.

The following components appear on one or more of the following state hazardous substance

lists:

Component CAS# CA MA MN NJ PA

Ethyl alcohol 64-17-5 YES YES YES YES YES

**Section 16: Other Information**

Prepared by: Rinaguian Enterprises

Disclaimer:

The information and recommendations contained in the Material Safety Data Sheet (MSDS) are

supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard

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