

## Safety Data Sheet

Hand Sanitizer - All Scents & color

Version.1. dated: 01 January 2021

### SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Details	Manufacturer
Name: <b>Crows+ Natural Hand Sanitizer</b>	Periyar Biotech
Code: Cr/NHSS/20 & Cr/NHSS/21	Global House
Use: Hand Sanitise.	Nedumbassery, Ernakulam Dt.
	Kerala - 683589
	Phone: 91-484-2476845,
	Mob: 91-9562800850

### SECTION 2 - HAZARDS IDENTIFICATION

**HEALTH HAZARDS:** May be harmful if swallowed, absorbed through skin, or inhaled. Mildly irritating to the eyes and skin.

**PHYSICAL HAZARDS:** Flammable, can decompose at high temperatures releasing toxic gases.

**ENVIRONMENTAL HAZARDS:** Highly toxic to bees, birds and aquatic invertebrates. Keep out of water ways.

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

### SECTION 3 - COMPOSITION, INFORMATION OF INGREDIENTS

COMPONENT	PERCENTAGE	UN NUMBER
Isopropyl Alcohol	70-90.0 %	67-63-0
Hydrogen Peroxide	5.0 -15.0 %	7722-84-1
Glycerine	1.0 -10%	56-81-5
Inert Ingredients	5.0 -10.0 %	N/A

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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## SECTION 4 - FIRST AID AND MEASURES

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**EYE CONTACT:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

**SKIN CONTACT:** This product is formulated for use on skin but should be rinsed off when possible.

**INHALATION:** Inhalation not likely under normal use conditions. Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if adverse health effects persist or are severe.

**INGESTION:** If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.

**NOTE TO PHYSICIAN:** No specific antidote, treat symptomatically

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## SECTION 5 - Fire Fighting Measures

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**Fire Hazard:** This product is flammable due to the alcohol content.

**Flash Point:** Open cup: 11.7 °C

**Auto ignition temperature:** 399 °C

**Explosive properties:** Not Relevant (UN Test 3(a) ii BAM Fall hammer)

**Suitable extinguishing media:** Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media:** None in particular.

**Hazardous combustion products:** Not determined.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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**IN CASE OF SPILLS OR LEAKS:** Remove all sources of ignition. Clean up spills immediately, observing precautions in Section 8 of this document. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb the spills on sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal. This material should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Minimize use of water to prevent environmental contamination.

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## SECTION 7 - HANDLING AND STORAGE

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Keep containers away from heat, and out of the reach of small children. Avoid open flames and other sources of ignition in storing this product. Keep container closed when not in use.

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## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

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Exposure Limits: TWA: 0.03 (mg/m<sup>3</sup>).

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Individual protection measures

**Eye protection:** Use close fitting safety goggles, don't use eye lens.

**Protection for skin:** Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or Viton.

**Protection for hands:** Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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**Physical State:** Liquid

**Appearance and colour:** Clear Liquid, coloured as per specification.

**Odour:** Alcoholic with fragrance as specified in the label

**Melting point / freezing point:** Not determined

**Initial boiling point and boiling range:** Not determined (OECD GUIDELINE 103)

**Flash point:** 29.4 °C (84.9 °F) (Pensky-Martens Closed Cup Test (ASTM D93))

**Evaporation rate:** Not determined (Shell Thin-Film Evaporometer ASTM D3539 - 87(2004) )

**Density:** 0.92 – 0.99 g/ml

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## SECTION 10 - STABILITY AND REACTIVITY

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**Product Reactivity:** Non-reactive

**Chemical Stability:** Stable under normal conditions, however may decompose if heated.

**Hazardous Polymerization:** Product will not undergo polymerization

**Conditions to Avoid:** Avoid temperatures above 40°C for prolonged period of time. Strong exothermic reaction can occur above 200°C

**Incompatible Materials:** None known

**Hazardous Decomposition Products:** None known

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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**Routes of Entry:** Absorbed through skin. Eye contact. Inhalation

**Toxicity to Animals:** Acute oral toxicity (LD50): 5143 mg/kg (Mouse) Acute dermal toxicity (LD50): 18286 mg/kg (Rabbit)

**Chronic Effects on Humans:** CARCINOGENIC EFFECTS: **Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC**

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**Developmental Toxicity:** Classified Reproductive system/toxin/female, Development toxin [POSSIBLE] [Isopropyl alcohol]. Contains material which may cause damage to the following organs: kidneys, liver, skin, central nervous system (CNS).

**Other Toxic Effect on Humans:** Not available

**Toxicity to Animals:** Not available

**Special Remarks on Chronic Effects on Humans:** May cause adverse reproductive I teratogenic effects (fertility, fetotoxicity, develop mental abnormalities (developmental toxin)) based on animal studies. Detected in maternal milk in human. (Isopropyl alcohol)

**Special Remarks on other Toxic Effects on Humans:** Not available

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## SECTION 12 - ECOLOGICAL INFORMATION

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**Ecotoxicity Effects:** Not available BOD5 and COD: Not available

**Bioaccumulation:** Not available

**Products of Biodegradation:** Possibly hazardous short-term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The product itself and its products of degradation are not toxic.

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## SECTION 13 - DISPOSAL CONSIDERATIONS

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Dispose according to Local regulations.

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## SECTION 14 - TRANSPORTATION INFORMATION

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**Shipping Name:** Consumer Commodity

**Proper Shipping Name for Non-Consumer Commodity:** IPA Solutions.

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## SECTION 15 - REGULATORY INFORMATION

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This product is on the European Inventory of Existing Commercial Chemical Substances. Highly flammable, irritating to eyes, keep out of reach of children, if swallowed, seek medical advice immediately and show this container or label.

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## SECTION 16 - OTHER INFORMATION

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**Prepared by:** Periyar Biotech.

**Prepared on:** 01.01.2021

**Previous Version.** NA

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