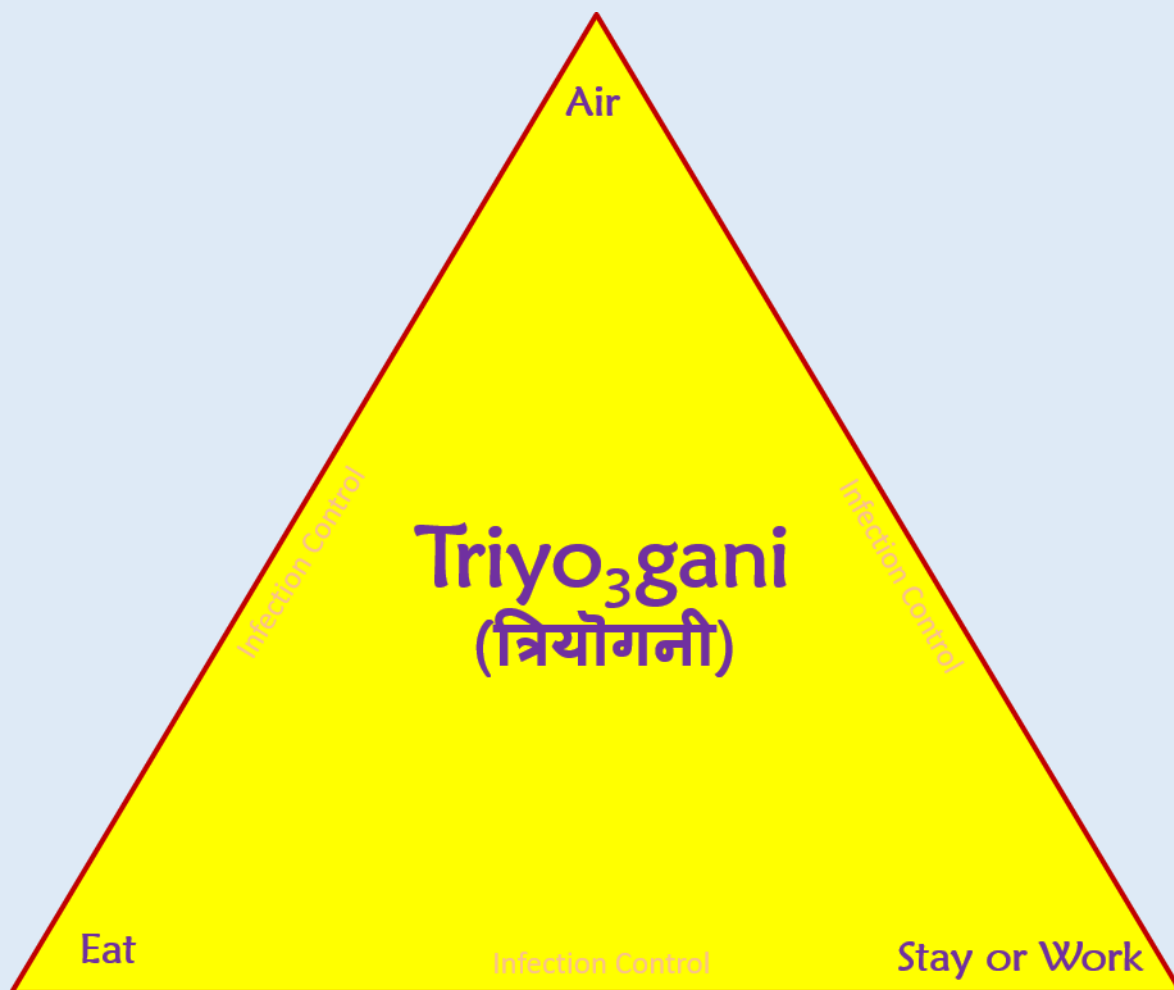


CBRN Ultra Devices
Technologies for Mankind



HAND SANITIZER

(Alcohol Free)

DRDO Technology: An accessory of Tri-Netra Hand Sanitization Unit (Ultra Swachh Technology)-
Manufactured by: Gel Craft Healthcare (P) Limited. [www.ultraswachh.in].

‘Non-Alcoholic Hand Sanitizer’: Triyogani

We represent Gel Craft Healthcare (P) Ltd, a manufacturing company that develops numerous DRDO technologies (Ultraswachh.in).

Your institution represents a hub of people that can be vulnerable of getting infected during existing pandemic and future variants. With increasing percentage of people getting vaccinated, work from home culture was adopted that causes significant impact on productivity. However, the office culture is coming back leads to social interaction and associated risks. Thus, every institution/ office/ corporate is using ‘hand sanitizers’ as part of their mandatory policy.

One of the challenging issues is that ‘alcohol-based sanitizers’ are prone to fire hazards (<https://ultraswachh.in/f/alcohol-based-sanitizers-and-fire-safety-impending-disasters>) and extremely toxic especially to soft skin of humans. Further in each hand sanitization, small inhalation of toxic fumes might lead to an impending disaster.

As industrial partner of Defence Research and Development Organization, we hereby introduce their new alcohol and toxins free, water based Triyogani (Hand Sanitizer) that is extremely useful to meet this challenge. It can be used directly as well as part of Tri-Netra Hand Sanitizer (dispensing device specifically developed with ozonated radical technology).

You can visit <https://ultraswachh.in/triyogani-disinfectant> for more information.



Radical Dispenser

"Triyo₃gani" Organic Multipurpose Sanitizing Solution



Triyo₃gani (त्रियोगनी) : set of multiple formulations aid comprehensive sanitization of confined area, space, equipment, vehicle, fruits and vegetables etc.



Works on principle of "infection control" by neutralizing microbial risk/ threat at the site of origin either itself or by combining effectively with ozone or any another sterilizing or sanitizing medium.



Human-Safe

Human Safe combination blend of natural herbals sync with permissible limits of ozone.



Sterility Assurance Level (Triyogani)

Tested & validated against bacterial spores : *Geobacillus stearothermophilus* - both alone and in combination with ozone.



Syn Ozone

Triyogated Ozone treatment is synergistic and produce additive beneficiary impact.



Multi-Formulated Variants

Triyogani is available as fumigant, hand sanitizer & fruits /veggie wash (liquid / solid) formulations.



Non-Toxic [Child Safe]

Unlike chemical entity, Triyogani (herbal formulation) is extremely safe for all age groups and have no toxicity.



Travel Compatible

Dilute it to develop personalized hand sanitizer that can be carried while traveling.



Disinfectant Toxins Free

Alcohol, quaternary ammonium salts, HoCl, NaOCl & Hydrogen Peroxide Free Sanitizing Medium.



Concentrate Pack

Available in concentrated form (to be mixed with water) as cost effective solution for all.



Multi-Platform Support

Compatible with Poon Swachh, Ultra Swachh, Ati Swachh, Tri-Netra, Samgrah Swachh, Mini Veg Wash & other disinfection units.



Enviro-Friendly

Dispersion in environment as fumigant or using it as hand sanitizer, leaves no environmental toxin.



Old Wisdom Modern Blend

Time proven anti-microbial neem, thyme & lemon grass with additives in pharmacologically effective modern blend.



Limits to Zero

Recurring cost limits to negligible expense in all technologically integrated platforms.



Triyogani Hand Sanitizer

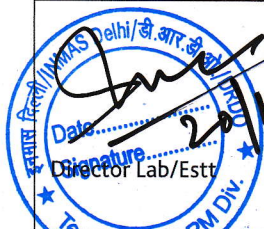

- Alcohol, Quaternary Ammonium Salts, HoCl, NaOCl , Hydrogen Peroxide, Toxins and Allergen Free Anti-Microbial Organic (Triyogani) Hand Sanitizer
- All Age Group Compatible: Neem, Lemon Grass, Thyme enriched water based sanitizer
- 24 hour Companion: use at school, at home, work place, metros, market and gyms
- Travel compatible (no soap required) and 100 ml pack permissible in Airlines
- Use directly even prior to having food in restaurants as no change in taste of food unlike alcoholic sanitizer
- Tested & validated against COVID-19 viral strain (Eurofins certification).
- Non sticky & doesn't irritate your hands while it protects the skin from oxidative damage and helps prevent itching
- Offer long lasting protection as compared to alcoholic sanitizers
- Removes excess heat from the body and provides a cooling effect
- Removes Virus, fungi & bacteria from your hand to keep you safe from all kind of infection-causing possibilities whether you're indoor & outdoor
- Available in 1 Liter Concentrate (equivalent ~ 20 L Sanitizer) for universal usage.

DIRECTION FOR USE: Take out an appropriate amount (2-3ml) of diluted hand sanitizer to moisten your palm and rub for 10-15 seconds or until it dry front back to front & in-between your fingers until the liquid covers your hands & dries. Do not wash with water.

Comparison of the characteristics of selected chemicals used as high-level disinfectants or chemical sterilants/sanitization material

Disinfection chemical characteristics and recommendation for use

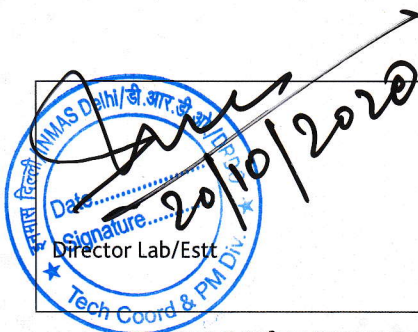
Chemical Characteristics	Non-Alcoholic Hand Sanitizing Medium (Other Available Product)	Non-Alcoholic / Quaternary Ammonium Salts Free Triyogani Hand Sanitizer
High-level disinfectant claim	25-30 minutes at 20°C	< 1 minuse
Sterilization Claim	30 min@25°C	18 hours@20-30°C
Activation	No	No
Reuse life (number of days a product can be reused as determined by re-use protocol)	Single Use	500 days
Shelf life stability (time a product can remain in storage (inmused))	12 months	2 years
Disposal Restrictions		None
Materials Compatibility	Good	Excellent

 <p>Date: 20/10/2020 Signature: [Handwritten Signature] Director Lab/Estt Tech Coord & PM/DIN.</p>	<p>For Gel Craft Healthcare Pvt. Ltd.</p>  <p>(Authorised Signatory) M/s Gel Craft Heathcare (P) Limited</p>
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License No. DRDO/DI²TM/2020/1135

Chemical agents for sterilization advantages and disadvantages.

Sterilization Method	Advantages	Disadvantages
Non-Alcoholic Hand Sanitizing Medium (Other Available Product)	Rapid sterilization cycle time (30-45 minutes) low temperature (50-55°C) liquid immersion sterilization Fully automated Standardized cycle No adverse health effects to operators under normal operating conditions Compatible with many materials and instruments Provides procedure standardization (constant, dilution, perfusion of channel, temperatures, exposure)	When quaternary ammonium is mixed with organic matter it loses its effectiveness. This makes it an ineffective disinfectant in situations where blood, urine, fecal matter or soil may be present. For this reason, it is only used on non-critical surfaces like floors and railings in hospitals instead of on critical surfaces such as instruments that may come in contact with broken skin. Hard water is also a concern and should be tested before using a quaternary ammonium as a disinfectant because it loses effectiveness in solution with hard water. Cloths made of cotton or other organic material should not be used to spread the disinfectant because they lower its effectiveness. They are ineffective against Gram-Negative Organism and quaternary ammonium disinfectants should not be relied upon to kill gram-negative bacteria unless specifically certified to do so.
Non-Alcoholic / Quaternary Ammonium Salts Free Triyogani Hand Sanitizer	Rapid sterilization cycle time (<1 minutes) Low temperature (10-55°C) liquid immersion sterilization Environmental friendly by-products (O ₂ , H ₂ O) Fully automated Single-use system eliminates need for concentration testing Standardized cycle Dramatically enhance removal of organic material and endotoxins, Bacteria, Mycoplasmas, Viruses (tested 100% elimination on Coronavirus samples) No adverse health effects to operators under normal operating conditions Compatible with many materials and instruments Does not coagulate blood or fix tissues to surfaces Sterilant flows through scope facilitating salt, protein and microbe removal Rapidly sporicidal Provides procedure standardization (constant dilution, perfusion of channel, temperatures, exposure) No skin or eye irritation at 0.1%- considered extremely safe It is non-corrosive to metals, adhesives, plastics, gloves, etc.	



For Gel Craft Healthcare Pvt. Ltd.

(Authorised Signatory) Director
M/s Gel Craft Healthcare (P) Limited

License No. DRDO/DI²TM/2020/1135

Specifications of Triyogani (Hand Sanitizer)

Item Code	TRY-HS-1L
Name of item	Triyogani (Hand Sanitizer)
Category (Health/ Domestic)	Universal
Formulation	Concentrated (Should be diluted in 1:20 Ratio for direct usage)
Packing	White Plastic Bottle (with double cap)
Label	Accessory of Tri-Netra Hand Sanitization Unit / CBRN Ultra Devices (DRDO Technology) with DRDO Logo
Base	Aqua (non-Alcoholic)
Direct Use	Diluted Form is usable directly as well as part of Tri-Netra Hand Sanitization Unit
Category	Consumable
Technological Validation	Tested against COVID-19 virus
Warranty Period	01 year applicable from Date of Delivery (T&C applied as per Manufacturing Warranty Agreement)



Batch code: EUINBA-00079084
Report date: 17.11.2020

GELCRAFT HEALTHCARE PVT LTD - GHAZIABAD
A2/48 SITE 4 SAHIBABAD INDUSTRIAL AREA
201010GHAZIABAD.
INDIA

Dr. Hemant Gupta,

ANALYTICAL REPORT

Sample code:	258-2020-11002497	Report code:	AR-20-IR-069355-02
Sample name:	TRIYOGANI HAND SANITIZER (SWAB)	Received on:	09.11.2020
		Analysed between:	09.11.2020 - 13.11.2020
Sample reference	Customer Provided Details: Manufacturer by: Organic121 Scientific Pvt. Ltd		
Quantity received:	1 No		
Sample packing:	Tube	Condition on receipt:	Good
Sampling:	SAMPLE SUBMITTED BY CUSTOMER		

MICROBIOLOGICAL		Method	Result Unit
IRIJJ	IR	Sars Cov2 Surface testing - Total	qRT-PCR technique, VIRSeek SARS-CoV-2 Screen (Eurofins Technologies) Negative /Swab

Remarks: The presence of targeted E-Gene was not detected in the tested sample indicating that Negative result for the specific test.

The tests identified by the two letters code IR are performed by Eurofins Analytical Services India (Bangalore), INDIA.

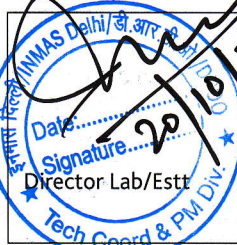
Sourabh
Mr Sourabh Halder
Assistant Manager - Microbiology

This report supersedes Test Report No. AR-20-IR-069355-01, dated 17/11/2020, due to sample details correction.
***** END OF REPORT *****

The results may not be reproduced except in full, without a written approval of the laboratory. The results relate only to the sample analysed.

Eurofins Analytical Services India Private Limited

#540/1, Doddanakundi Industrial Area 2, Hoodi, Whitefield, Bengaluru 560048, Karnataka, India, Tel: +91 80 67223200,
Fax: +91 80 41680405 Email: enquireasi@eurofins.com, Website: www.eurofins.in, CIN: U73100KA2009PTC049992



For Gel Craft Healthcare Pvt. Ltd.

[Signature]
(Authorised Signatory)
M/s Gel Craft Healthcare (P) Limited

License No. DRDO/DI²TM/2020/1135

‘त्रिनेत्र’ हैण्ड सेनिटाइजेशन : एक अल्कोहल रहित, सुरक्षित, एवं त्वचा अनुकूल विकल्प

डॉ. सुखवीर सिंह, वैज्ञानिक ‘डी’ एवं डॉ. रमन चावला, वैज्ञानिक ‘ई’
नाभिकीय औषधि तथा सम्बद्ध विज्ञान संस्थान (इनमास)

स्वास्थ्य देखभाल संस्थानों में संक्रमण के संचरण को रोकने के लिए हाथों की स्वच्छता को हमेशा सबसे महत्वपूर्ण उपकरणों में से एक माना गया है। वर्तमान महामारी की स्थिति के आलोक में, हाथों की स्वच्छता का उपयोग तेजी से बढ़ा है और यहां तक कि स्वास्थ्य देखभाल क्लिनिक के अलावा सामान्य आवासीय / वाणिज्यिक संस्थानों में भी यह एक अनिवार्य प्रक्रिया बन गयी है। विश्व स्वास्थ्य संगठन और अन्य स्वास्थ्य संगठनों द्वारा समय-समय पर महामारी के प्रकोप के दौरान उपयुक्त कीटाणुनाशक के साथ सामान्य आबादी के लिए बार-बार हाथ धोने की सिफारिशों की जाती रहीं हैं, जिसमें वर्तमान महामारी यानी COVID-19 भी शामिल है। वर्तमान समय में, मल्टी ड्रग रेसिस्टेंट बैक्टीरिया और अस्पतालों से जनित अन्य संक्रमणों के विकास के कारण हाथों की स्वच्छता और भी आवश्यक हो गयी है। मुख्यतः प्रचलित कीटाणुशोधन विधियों में साबुन और अल्कोहल आधारित घोल से हाथ धोना शामिल है। हालांकि, इन दोनों ही विधियों के बार-बार उपयोग से संवेदनशील व्यक्तियों और बच्चों में त्वचा का रूखापन और जिल्द की सूजन (स्किन दारमिटिस) जैसी प्रतिकूल त्वचा प्रतिक्रियाएँ देखी गई हैं तथा कुछ वायरस (नोरोवायरस और रोटावायरस), बैक्टीरिया और बीजाणुओं पर अल्कोहल कीटाणुशोधन की प्रभावशीलता पर भी सवाल उठते रहे हैं।

इसके अलावा, एथिल अल्कोहल कमरे के तापमान पर ज्वलनशील वाष्प में वाष्पित हो जाता है और एक ज्वलनशील तरल माना जाता है जो की छोटी सी चिंगारी में तुरंत आग पकड़ सकता है। सीडीसी यूएसए के अनुसार, अल्कोहल आधारित हैंड सेनेटाइजर को इस्तेमाल, स्थापित, लागू और संग्रहीत करते समय एनएफपीए 101 लाइफ सेफ्टी कोड का पालन करना अनिवार्य है और अग्नि सुरक्षा उपाय आवश्यक हैं। भारत में भी अल्कोहल आधारित हैंड सैनिटाइज़र को लेकर कई अग्नि हादसे प्रकाश में आये हैं। पहले लॉकडाउन की शुरुआत में ही मार्च 2020 में हरियाणा के एक 44 वर्षीय पुरुष के हैंड सैनिटाइज़र से लगी आग की चपेट में आने का मामला सामने आया था। धूप में खड़े वाहनों में भी अल्कोहल आधारित हैंड सैनिटाइज़र की बोतलों की वजह से आग लगने के हादसे सामने आये हैं। जरा सी static इलेक्ट्रिक चार्ज भी अल्कोहल वाष्प को ज्वलित कर सकता है और एक बड़े हादसे में परिवर्तित हो सकता है। अतः यह स्पष्ट है कि अल्कोहलिक सेनेटाइज़र संभावित रूप से ज्वलनशील होते हैं, हालांकि इन्हें प्रज्वलन के लिए अतिरिक्त स्रोत (इग्निशन) की आवश्यकता होती है। डब्ल्यूएचओ ने अल्कोहल आधारित हैंड रब का उपयोग करते समय अग्नि सुरक्षा सावधानियों की सिफारिश की है। (<https://www-who-int/news-room/q-a-detail/alcohol-based-handrub-risks-hazards>)

इसके अलावा, COVID-19 जैसे वैश्विक महामारी के दौरान उनके बड़े पैमाने पर उपयोग में रासायनिक आधारित हाथ सेनेटाइजेशन फॉर्मूलेशन की खरीद की बड़ी आवृत्ति लागत और दूरगामी प्रतिकूल पर्यावरणीय परिणाम भी होते हैं। अल्कोहल आधारित हैंड सैनिटाइज़र की प्रति हाथ स्वच्छता की उच्च लागत, विकासशील देशों की सामान्य आबादी के बीच इनके उपयोग और प्रति हाथ स्वच्छता की अपर्याप्त मात्रा को सीमित करती है।

रासायन आधारित हैंड सैनिटाइज़र की उपरोक्त सीमाओं को ध्यान में रखते हुए, इनमास, (डी आर डी ओ) ने ‘त्रि-नेत्र’ हैंड सैनिटाइजेशन यूनिट का विकास किया है जो एक अल्कोहल मुक्त, कम लागत, स्वयं टिकाऊ (self sustainable) और त्वचा सुरक्षित हाथ स्वच्छता (hand hygiene) समाधान प्रदान करती है। यह एक पोर्टेबल, वॉल माउंटेड और स्पर्श रहित (टच फ्री) उपकरण है जो हाथ धोने और फलों और सब्जियों की धुलाई के लिए ट्राययोगनी (Triyogini) हर्बल सॉल्यूशन के साथ (वैकल्पिक) एक्वस ओजोन (aquas ozone) प्रदान करता है।

ओजोन को “जीआरएएस” (आमतौर पर सुरक्षित के रूप में मान्यता प्राप्त) श्रेणी के तहत श्रेणी ५ स्टेरिलिज़ेंट माना जाता है, जो खाद्य उत्पादों के लिए सुरक्षित होने के साथ-साथ उच्च ऑक्सीडेटिव क्षमता रखती है। एक्वस ओजोन की बहुत कम सांद्रता (<0-1 पीपीएम) को विभिन्न बैक्टीरिया, बीजाणुओं और वायरस पर बहुत प्रभावी रोगाणुरोधी क्रिया हेतु प्रदर्शित किया जा चुका है। यह दशकों से खाद्य प्रसंस्करण उद्योग में एक ज्ञात दुर्गन्ध और कीटनाशक हटाने का समाधान रहा है। इसके अलावा एक्वा-ओजोन हाथों से अप्रत्याशित सूक्ष्म जीवों को काफी हद तक हटा देता है और अल्कोहल आधारित हैंड सैनिटाइजेशन के बराबर प्रभावशाली पाया गया है। कुछ अन्य अध्ययनों में, वेंटिलेटर असिस्टेड निमोनिया को रोकने के लिए एक्वा-ओजोन को माउथ वॉश के रूप में उपयोग करने की सिफारिश की गई है।

उत्पाद वर्णन

वर्तमान आविष्कार स्पर्श मुक्त हाथ स्वच्छता के लिए जलीय ओजोन उत्पन्न करने और विसर्जित करने के लिए एक सेंसर आधारित उपकरण है। गैसीय ओजोन को पानी में सही अनुपात में और वास्तविक समय में वेंचुरी आधारित तकनीक का उपयोग करके कुशलता से भंग (diffuse) किया जाता है। इस उक्ति से पानी को हैण्ड सेनेटाइजर में लगातार परिवर्तित करते हैं। उपकरण हाथ की स्वच्छता के साथ-साथ घरेलू (फल, सब्जियां, फर्श की सफाई) और चिकित्सा उपकरण धोने के लिए ओजोनेटेड पानी देता है। अवशिष्ट गैसीय ओजोन को वापस ऑक्सीजन में परिवर्तित करने और इसे पर्यावरण में सुरक्षित रूप से छोड़ने के लिए सिस्टम को एक उत्प्रेरक कनवर्टर से भी सुसज्जित किया गया है। यह समाधान किसी भी अल्कोहल आधारित सैनिटाइजिंग माध्यम के बराबर प्रभावकारी है और मात्र 15–30 सेकंड में 4 लॉग रिडक्शन (4 log reduction) तक माइक्रोबियल लोड को कम करने में सक्षम है। उपकरण किसी भी समय 5 लीटर जलीय ओजोन या किसी अन्य रासायनिक/हर्बल आधारित कीटाणुशोधक रखने के लिए भंडारण टैंक के साथ आता है और हाथ की स्वच्छता के लिए सेंसर संचालित, स्पर्श मुक्त, और सेनेटाइजर की पूर्व कैलिब्रेटेड मात्रा का वितरण करता है। इस उपकरण का उपयोग स्वास्थ्य देखभाल सेटिंग्स में मेडिकल उपकरण धोने, फल/सब्जियां धोने, घरेलू उपकरण धोने के लिए रासायन मुक्त समाधान के रूप में भी किया जा सकता है। जलीय ओजोन के साथ फर्श, सतहों की सामान्य सफाई सामान्य घर के डिटर्जेंट/रसायनों की खपत को कम कर सकती है, और वर्तमान COVID-19 संकट के दौरान पर्यावरण के अनुकूल और स्वस्थ जीवन की आदत हो बढ़ावा दे सकती है। निरंतर प्रसार मॉडल के साथ, यह उपकरण एक आत्मनिर्भर इकाई है जो सिर्फ हवा और पानी का उपयोग करके स्वच्छता माध्यम (सैनिटाइजर) बनता है, अतः इसे दूरस्थ/ग्रामीण इलाकों में बिना किसी रसायन की लगातार आपूर्ति के आत्मनिर्भरता के साथ उपयोग किया जा सकता है।



Frequently Asked Questions: Triyogani

What do you mean by Triyogani Disinfection Solutions?

Triyogani (त्रियोगनी) is a set of multiple formulations developed for comprehensive sanitization of area, vehicle, fruits and vegetables as well as enhanced cleaning processes. This was evolved with the concept of prevention of spread of infection of COVID-19 or similar disease of microbial origin while ensuring over-sterilization at moderate and low risk areas to be discouraged. Triyogani is a generic name given to all formulations that works on unique principle of "infection control" by neutralizing microbial risk/ threat at the site of origin either itself or by combining effectively with ozone or another sterilizing or sanitizing medium.



Triyogani (Hand Sanitization)

Are Non-Alcoholic Sanitizers like Triyogani (hand sanitizer) is effective in killing microbes?

Triyogani (hand sanitizer) demonstrated up to 4 logarithmic (more than 99.99%) reduction in microbial cell count within 15-30 seconds of application. These results are better or equivalent to an alcohol based sanitizer with at least 75% alcohol content.

Why choose a non-alcohol based hand sanitizer over an alcohol based sanitizer?

Alcohol based sanitizers are often associated with several hazards and risks as mentioned below:

- Dry out skin:** Alcohol based sanitizers are usually harsher and dry out the skin upon regular usage. This results in itching, flaking or cracks that can further attract infections. It may also increase risk of Dermatitis, skin irritation or Eczema. Our formulation is composed of alcohol free bioactive agents and emollients that are skin friendly while nourishing the skin for hydration.
- Alcohol poisoning-** Several cases of accidental ingestion by young kids resulting in subsequent hospitalization have been reported. Further, they may be misused for inducing intoxication especially in teenagers due to high concentration of alcohol present. Therefore, additional precautions need to be taken to keep them out of reach of children. Our formulation poses no such chemical hazards.
- Fire Hazards:** Alcohol based sanitizers are classified as Class 1 flammable liquid substances due to low flashpoints. Alcohol based sanitizers could result in fire hazards especially when used near flame or high temperature environments such as kitchen or near car ignitions. Alcohol free sanitizers are thus safe for domestic applications or near high temperature settings.

Our alcohol-free formulation is composed of highly effective biocidal agents that are fast acting on a broad spectrum of infectious microbes. It is further composed of emollients and skin



conditioning agents that prevent drying and are safe for use in domestic settings with young kids.

How is Triyogani (hand sanitizer) different from other non-alcoholic sanitizers?

Non-alcoholic sanitizers are usually composed of quarternary ammonium compounds like Benzalkonium chloride or triclosan. *QUATS* are potentially harmful chemicals associated with multiple health risks such as allergies of skin, eye and lungs. They are irritants that induce asthma and contact dermatitis and birth defects. They may also cause irritation in gastrointestinal walls causing nausea and vomiting. Moreover *QUATS* tend to stick to surfaces and substrates including food leaving a residue which is harmful for both health and environment. **Quaternary ammonium compounds:** QUAT based hand sanitizers have been widely publicized as alternatives to alcoholic sanitizers but are extremely toxic for both skin and environment. *QUATS* have been linked with allergic reactions with skin, eyes and lungs. *Triclosan* is an effective antibacterial and anti-fungal compound. However, repeated usage has been linked with antibiotic resistance which could lead to severe consequences for the public. Hence it is not recommended for use in sanitizers. Our formulation is designed as a safe and eco-friendly alternative to conventional disinfectants. The disinfectant leaves no residue and the herbals extracts have demonstrated to have potent antimicrobial activity.

Are there any studies justifying use of herbal extracts?

In traditional medicine, several plant derived extracts have been used for treatment of diverse kinds of medical indications. A wide variety of locally derived herb extracts have been demonstrated to possess antimicrobial activity on par or superior to existing synthetic chemical compounds. One such extract of *Azadiracta indica*, commonly known as Neem is a native to Indian subcontinent and possesses very strong antibacterial, antifungal and antiviral properties. It has also been used popularly for skin associated conditions. Another herbal extract, Thymol derived from the plant *Thymus vulgaris* has been reported to possess antibacterial and antifungal properties. Studies have shown thymol is effective against HIV and HSV virus strains, indicating a promising function as a sanitizer. It has strong antioxidant and anti-proliferative effect while being safe for the environment. We have exploited the antimicrobial properties a blend of herbal extracts which have been widely studied and published for antibacterial, antifungal and antiviral effect at even low concentrations.

How long is Triyogani (hand sanitization) effective?

The herbal hand sanitizer has residual antimicrobial activity and has shown increased effectiveness with repeated usage. This is in contrast to alcohol-based sanitizers which show reduced effectiveness with repeated use. Whereas repeated use of alcohol creates skin crevices that can harbor germs, repeated use of our herbal Hand Sanitizer actually improves skin texture, thus making it progressively harder for germs to breed.

Will there be an aftertaste on food after using Triyogani (hand sanitization) before eating?

No. Under conditions of normal use (hands dry after use), the product will not leave any noticeable aftertaste on food. The sanitizer is both safe for skin as well as when in direct contact with food. The individual components are safe natural herbs and edible compounds deemed safe for consumption as well.



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