SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name/Trade Name	**GUARDEX- ORIGINAL PROTECTION HAND SANITIZER**
Distributed by	Aspire International
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Manufactured By:	Dubai, UAE.
Website:	www.aspire-international.com
email:	info@aspire-international.com
Product use	**Hand sanitizer**
SDS#	SPL S1027
Formulation#:	SPL 1027
Pack & Sizes	NA

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	% (w/w)	CAS number
Isopropyl Alcohol	60-70 %	67-63-0
Propylene Glycol	0.5-1%	57-55-6
Aqua	Q.S.	7732-18-5

**The exact amount of ingredient is withheld as a trade secret.*

Other are Non-hazardous ingredients to 100%

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

The product(s) does not contain ingredients considered hazardous as defined by OSHA, 29 CFR 1910.1200 and/or WHMIS under the HPA

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Keep out of reach of children.
Appearance/Odor: Clear thick colorless gel

WARNING:
Flammable (Isopropyl alcohol)
GSH label element :- Hazzard pictogram

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

Potential health effects:

Eye:	Contact may cause mild, transient irritation. Some redness and/or stinging may occur.
Skin:	Not expected to be irritating, sensitizing, photo allergenic or phototoxic when used as intended. If irritation occurs following intended use, or prolonged use contact doctor or seek medical attention. It is expected to be mild and transient.
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.

4. FIRST AID MEASURES

Eye Contact	Wash eyes immediately with large amount of water and contact a doctor.
Skin Contact	Remove contaminated clothing. Wash off skin with water. If irritation persists contact a doctor.
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	If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Call a physician or Poison Control Center immediately.
Advice to Doctor	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Fire and Explosion	Flammable Liquid IB
Extinguishing	Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, or alcohol resistant foam. Contact emergency personnel.
Fire Fighting Instructions	Use self-contained breathing apparatus and full protective gear, if large quantities of product are involved. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon and/or nitrogen; hydrocarbons and/or derivatives. Thermal degradation may also produce oxides of silicone.
NFPA Rating:	Health: 2 Fire: 3 Reactivity:0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

For non-emergency	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.
Personnel	Do not touch or walk through spilt material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

	Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.
For emergency responders	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Minor Spills:	Collect spill material with a mop, or absorb with an inert material and place in an appropriate waste disposal container
Major Spills:	Contain and collect for later disposal according to local, provincial, state or federal regulations. Do not allow product to enter waterways.

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin and eyes; Maintain the high standard of personal hygiene, i.e. washing hand prior to eating, drinking, or other personal works.
Storage	Keep the container tightly closed and in a cool, well ventilated place. Keep away from heat, sparks and flame. Prevent contact with eyes.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hygiene Measure	Ensure adequate natural ventilation.
Personal Protection	When handling bulk material, suitable safety glasses, protective clothing and impervious gloves should be worn. If ventilation is insufficient, a suitable respirator should be worn.
Exposure Guidelines	ACGIH: 200 ppm TWA, 400 ppm STEL OSHA: 400 ppm TWA;

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Translucent to Transparent Thick Gel
Physical state	Gel
Colour	Clear (Translucent to Transparent)
Odour	Alcoholic Characteristic.
pH @25 °C	5.8-6.5
Melting point	< -10°C
Initial Boiling point and range	85-90 °C
Flash point	19 °C
Flammability Properties	Refer Section 5
Vapor pressure	57.3 hPa at 20°C
Relative density	Not available.
Solubility in water	Soluble
Auto-ignition temperature	(Isopropyl Alcohol) 425°C
Water Solubility	Soluble

Viscosity	10000-12000cps
Specific Gravity @ 25ºC	0.85-0.90

10. STABILITY AND REACTIVITY

Chemical Stability	The product is stable under normal condition (<30ºC).
Possibility of Hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid	Avoid excessive heat or sources of ignition.
Hazardous decomposition products	Upon decomposition, this product evolves carbon monoxide, carbon dioxide, and/or low weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS:

A: General Product information	Product contains Isopropyl alcohol.
B: Component Analysis LD50	Isopropyl Alcohol (67-63-0), Oral LD50 Rat: 5045 mg/kg (We have not carried out any animal testing for this product)

CHRONIC EFFECTS:

Carcinogenicity	ACGIH A4 – Not Classifiable as a Human Carcinogen
Neurotoxicity	This product contains Isopropyl alcohol, a central nervous system target.
Reproductive	No information available for product.
Target Organs	Ingestion may cause irritation of gastro-intestinal tract, skin, eyes, CNS, liver,

12. ECOLOGICAL INFORMATION

Product Eco toxicity	The Eco toxicity of this product has not been determined.
Component (IPA) Eco toxicity	**Acute toxicity** **Fish** LC50 -96h- fish -9640mg/L **Daphnia and other aquatic invertebrates.** EC50 – Daphniamagna (Water flea) – 5102 mg/l -24h

13. DISPOSAL CONSIDERATIONS

Larger volumes must be sent for disposal by approved waste contractor. Rinse out empty container with water and consign to normal waste. Also, ensure the disposal in accordance with state, and local regulations. Contact relevant authority for details.

14. TRANSPORT INFORMATION

UN Number	1219
UN Proper shipping name	Isopropyl Alcohol (70%) based solution
Transport Hazard Class	Not Applicable
IMDG Packaging Group	3 - Flammable liquids:
IMDG Class	1219
IATA	II - Medium Danger

15. REGULATORY INFORMATION

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
OSHA Hazards. Flammable liquid, irritant.

Safety Measure	S2: Keep out of children reach. S26: In case of contact with eyes, rinse immediately with plenty water and seek immediate medical advice. S46: If swallowed, wash out mouth then drink water and seek medical attention.

16. OTHER INFORMATION

Date of issue	20.03.2020
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