

# SAFE-HS

High Level Harmless Hand Sanitizer

Date: 15/4/2020

## Product Description

**SAFE-HS** is a no-rinse hand sanitizer that kills most germs and microorganisms but yet is based on an alcohol-free formulation, making it extremely safe and comfortable to use. **SAFE-HS** contains pH modifiers and plant oil extract molecules that combine to kill and dissolve microorganisms in seconds. This breakthrough technology is the result of years of research funded by the British Government.

## Areas of Use

**SAFE-HS** is highly recommended for use in offices, retail, restaurants, hotels, healthcare, schools, places of worship, food manufacturing assembly lines, even homes and wherever good personal hygiene is critical. It is especially useful where soap and running water is not conveniently accessible.

## Special Features

- Neutral pH and non-toxic
- Alcohol-free; non-flammable, no sharp odour, does not sting grazed skin and suitable for people with
- Liquid form provides effective skin coverage; while foam discharge, if dispenser available, provides gr
- Pleasant fragrance leaves lingering scent after use
- Kills 99.9% of Germs and other Microorganisms (as tested under EN1276)

## Directions of Use

Apply and spread thoroughly over hands. Rub until dry, no rinsing necessary.

## Precautions

For external use only. Non-corrosive & non-toxic, in unlikely event of discomfort due to inhalation, ingestion or contact with eyes, seek medical advice

# PRODUCT DATA SHEET

**Product Identifier: SAFE-HS**

**Distributor: KK TECH INDUSTRY**

**Address: NO.18-2-A2 FLOOR,JALAN KUDA 1/KU1,  
TAMAN BUKIT KUDA, 41300 KLANG, SELANGOR D.E.**

**Other means of identification: High Level Harmless Hand Sanitizer**

**Recommended use and restrictions: SAFE-HS is highly recommended for use in offices,** retail, restaurants, hotels, healthcare, schools, places of worship, food manufacturing assembly lines, even homes and wherever good personal hygiene is critical.

It is especially useful where soap and running water is not conveniently accessible.

## COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identification	Component & Composition	CAS NO.
Water	> 90.0 %	7732-18-5
Nonyl phenol ethoxylates	< 4.0 %	26571-11-9
Quaternary Ammonium Compound	0.07 - 3.8%	68424-85-1
Perfume	< 0.3 %	NA

## PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odour: Clear liquid with mild odour.

Solubility in water: Complete.

Boiling Point: 100 degC

Specific Gravity: 1.000 +/- 0.005 g/cm<sup>3</sup>

PH: 7.5 +/- 0.5

Flash Point (T.C.C.): None to boiling Flammable Limits - Upper: Not applicable Lower: Not applicable

Vapour Pressure: Not determined

Vapour Density: Not determined

## TOXICOLOGICAL INFORMATION

**Acute toxicity: Oral: LD 50 (rat): > 4500 mg/kg**

**This product does not contain any known hazardous ingredients.**

## STABILITY AND REACTIVITY

Reactivity/ In compatible materials: Do not mix with other anionic base chemicals

Chemical stability: Stable under normal temperature and pressure.

Possibility of hazardous reaction: Will not occur.

Condition to avoid: Not applicable

## FIRST AID MEASURES

**Inhalation:** Move to area of fresh air. If breathing has stopped, artificial respiration should be started.

**Eye contact:** Flush with cool water for at least 15 minutes. Then consult a physician immediately.

**Notes to Physicians:** Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

## ECOLOGICAL INFORMATION

Persistence and degradability: Product degrades readily by action of microorganism.

Bioaccumulative potential: It is soluble in water and does not bio-accumulate.

## DISPOSAL CONSIDERATIONS

**Disposal method:** Dispose off in an approved waste facility according to local regulations.

It is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability: (1) Re-cycle or rework if feasible (2) Incinerate at an authorized facility (3) Treat at an acceptable waste treatment facility.

## FIRE-FIGHTING MEASURES

Suitable fire-extinguishing media: Water, dry chemical, carbon dioxide and foam.

Specific hazards arising from the chemical: Burning can produce carbon dioxide and/or carbon monoxide.

Special protective actions for fire fighters: Fire fighters may be exposed to the products of combustion should wear a self-contained breathing apparatus with full protective equipment.

<b>HANDLING AND STORAGE</b>
Precaution for safe handling: Wash thoroughly after handling, especially before eating and drinking. Wash contaminated goggles, face-shield, and gloves. Launder contaminated clothing before re-use.
Conditions for safe storage, including any incompatibilities: Store in cool, dry, well-ventilated area at room temperature.
<b>ACCIDENTIAL RELEASE MEASURE</b>
<b>Methods and materials for containment and cleaning up:</b> Stop spill at source. Contain material, as necessary, with dike or barrier. Mop, shovel or absorb with inert material and place in sound containers. Rinse remaining residue with excess water. Cover spills with absorbent clay, sawdust or inert material and place in closed chemical waste containers. Dispose of according to applicable local, state and federal regulations.
<b>TRANSPORT INFORMATION</b>
This material is non-regulated and no special requirement is necessary. HS Code: 34021200 UN number ADR/RID: Not regulated IMDG: Not regulated IATA: Not regulated UN proper shipping name ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods.
<b>EXPOSURE CONTROLS/ PERSONAL PROTECTION</b>
Control parameters/ Occupational exposure limits: ACGIH - TLV: None required
Appropriate engineering control measures: Normal ventilation is sufficient
Personal Protection: Normally not required. Safety glasses / goggles can be worn if splashing is anticipated.
<b>REGULATORY INFORMATION</b>
<b>International regulation:</b> Classification: This product has not been allocated any classification. Risk phrases: R00 None required Safety phrases: S07 Keep container tightly closed
<b>OTHER INFORMATION</b>
<b>Hazard Rating: HMIS (Hazardous Materials Information System)</b> <b>HEALTH: 0</b> <b>FLAMMABILITY: 0</b> <b>REACTIVITY: 0</b> <b>0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme</b>

**NOTICE:**

It is not necessarily fully adequate for every circumstance, nor to be confused with or followed in violation of applicable laws or insurance requirements. Health hazards and effects of over-exposure apply only to negligent handling or misuse of product in its concentrated form (as supplied); and not routine exposure to diluted product under normal use. No warranty, express or implied, of merchantability, fitness or accuracy of data is made; as such the vendor assumes no responsibility for injury or damages resulting from use of this product.