

# Safety Data Sheet

PRODUCT DATE: 21/01/2014

**SAFETY DATA SHEET**

**HAND SANITIZER**

According to GHS (Seventh Revised Edition)

**Section 1 Product and Company Identification**

**Product Identifier**

Product Name: HAND SANITIZER

Synonyms: -

**Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**

Relevant Identified Uses: Please consult manufacturer.

Uses Advised Against: Please consult manufacturer.

**Section 2 Hazards Identification**


Hazard class and label elements of the product according to GHS (the seventh revised edition):

- GHS Hazard Class: Flammable Liquids
- Category 2
- GHS Label Elements

Page 1 of 6

PRODUCT DATE: 21/01/2014

**Pictogram**



**Signal Word**

**Danger**

**Hazard Statements**

H225: Highly flammable liquid and vapour

**Precautionary Statements**

**Prevention**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240: Keep container tightly closed.

P241: Ground and bond container and receiving equipment.

P242: Use explosion-proof (electrical/ventilating/lighting) equipment.

P243: Use non-sparking tools.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

P370+P378: In case of fire: Use dry chemical, carbon dioxide or alcohol-resistant foam to extinguish fire.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

**Storage**

P403+P235: Store in a well-ventilated place. Keep cool.

**Disposal**

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

**Section 3 Composition/Information on Ingredients**

Component	Concentration (weight percent, %)	CAS No.	EC No.
Ethanol	Commercial secrets	64-17-5	200-578-6
Acrylic acid Polymers	Commercial secrets	9003-01-4	202-415-4
Trolamine	Commercial secrets	102-71-6	203-049-8
Water	Commercial secrets	7732-18-5	231-791-2

**Section 4 First Aid Measures**

**Description of First Aid Measures**

Immediate medical attention is required. Show this safety data sheet (SDS) to the physician.

**General Advice**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

**Eye Contact**

Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

**Skin Contact**

Remove contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

**Ingestion**

Do not induce vomiting. If unconscious, do not give anything by mouth. Call a physician or Poison Control Center immediately.

**Inhalation**

Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not

Page 2 of 6

# Safety Data Sheet –Contd.

MANU SANVI TILZER UG0001191E

## Protecting of First-aiders

breathing, give artificial respiration and consult a physician immediately. Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

## > Most Important Symptoms and Effects, both Acute and Delayed

1. Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

## > Indication of Any Immediate Medical Attention and Special Treatment Needed

1. Treat symptomatically.
2. Symptoms may be delayed.

## Section 5 Fire Fighting Measures

### > Extinguishing Media

**Suitable Extinguishing Media** Dry chemical, carbon dioxide or alcohol-resistant foam.

### Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter or spread fire.

### > Specific Hazards Arising from the Substance or Mixture

1. Will form explosive mixtures with air.
2. Fire intensifies through pressure relief valves thereby increasing fire intensity and/or vapour concentration.
3. Vapours may travel to source of ignition and flash back.
4. Liquid and vapour are flammable.
5. Containers may explode when heated.
6. Fire exposed containers may vent contents through pressure relief valves.
7. May expand or decompose explosively when heated or involved in fire.

### > Advice for Firefighters

1. As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2. Fight fire from a safe distance, with adequate cover.
3. Prevent fire extinguishing water from contaminating surface water or the ground water system.

## Section 6 Accidental Release Measure

### > Personal Precautions, Protective Equipment and Emergency Procedures

1. Avoid breathing vapors and contacting with skin and eye.
2. Beware of vapours accumulating to form explosive concentrations.
3. Vapours can accumulate in low areas.
4. Emergency personnel wear positive pressure self-contained breathing apparatus. Wear protective and full-body clothing. Wear full protective gloves.
5. Ensure adequate ventilation. Remove all sources of ignition.
6. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
7. Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

### > Environmental Precautions

Page 3 of 9

1. Prevent further leakage or spillage if safe to do so.
2. Discharge into the environment must be avoided.

## Methods and Materials for Containment and Cleaning Up

1. Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
2. Contaminated material should be promptly disposed of, in accordance with appropriate laws and regulations.
3. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

## Section 7 Handling and Storage

### Precautions for Handling

1. Avoid inhalation of vapors.
2. Use only non-sparking tools.
3. To prevent fire caused by electrostatic discharge steam equipment on all metal parts should be grounded.
4. Use explosion proof equipment.
5. Handling is performed in a well ventilated place.
6. Wear suitable protective equipment.
7. Avoid contact with skin and eyes.
8. Keep away from heat/sparks/open flames/ hot surfaces.
9. Take precautionary measures against static discharges.

### Precautions for Storage

1. Keep containers tightly closed.
2. Keep containers in a dry, cool and well-ventilated place.
3. Keep away from heat/sparks/open flames/ hot surface.
4. Store away from incompatible materials and foodstuff containers.

## Section 8 Exposure Controls/Personal Protection

### Control Parameters

Component	Occupational Exposure Limit Values		Limit Value - Eight Hours ppm	Limit Value - Short Term mg/m <sup>3</sup>
	Country/Region	ppm		
Ethanol 64-17-5	USA - OSHA	1000	1900	-
	South Korea	1000	1900	-
	Ireland	-	1000	-
	Germany /AGS	500	960	1920
	Denmark	1000	1900	3800
Tolamine 102-71-6	Australia	1000	1880	-
	Sweden	0.8	5	20
	Ireland	-	5	10

# Safety Data Sheet –Contd.

HARU SANITIZER		DUGOUT 191E			
Germany (DFG)	-	5	-	-	20
Denmark	0.5	3.1	1	6.2	-
Australia	-	5	-	-	-
<b>Biological Limit Values</b>					
No information available					
<b>Monitoring Methods</b>					
1 EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.					
2 GBZ/T 160 Determination of toxic substances in workplace air Series effective standard/and GBZ/T 300 Determination of toxic substances in workplace air Series standard.					
<b>&gt; Engineering Controls</b>					
1 Ensure adequate ventilation, especially in confined areas.					
2 Ensure that eyewash stations and safety showers are close to the workstation location.					
3 Use explosion-proof electrical/ventilating/fighting/equipment.					
4 Set up emergency exit and necessary risk-elimination area.					
<b>&gt; Personal Protection Equipment</b>					
<b>Eye Protection</b>					
Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).					
Wear protective gloves (such as butyl rubber) , passing the tests according to EN 374-3:2016. If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AABEK (EN 14387) respirator cartridges.					
<b>Respiratory protection</b>					
<b>Skin and Body Protection</b>					
Wear fire/ flame resistant/retardant clothing and antistatic boots.					
<b>Section 9 Physical and Chemical Properties</b>					
<b>Appearance:</b> colourless transparent liquid					
<b>Odor Threshold:</b> No information available					
<b>Initial Boiling Point and Boiling Range (°C):</b> No information available					
<b>Melting Point/Freezing Point (°C):</b> No information available					
<b>Flash Point (°C) (Closed Cup):</b> 21					
<b>Flammability:</b> Not applicable					
<b>Vapor Pressure (kPa):</b> No information available					
<b>Relative Density (Waters=1):</b> No information available					
<b>Solubility:</b> No information available					
<b>Auto-ignition Temperature(°C):</b> No information available					
<b>Decomposition Temperature (°C):</b> No information available					
<b>Kinematic Viscosity (mm<sup>2</sup>/s):</b> No information available					
<b>Particle characteristics:</b> Not applicable					
<b>Section 10 Stability and Reactivity</b>					
<b>Reactivity</b>					
Contact with incompatible substances can cause decomposition or other chemical reactions.					

Page 6 of 6

HARU SANITIZER		DUGOUT 191E			
<b>Chemical Stability</b>					
Stable under proper operation and storage conditions. In contact with oxidants causes severe reactions, and may cause a fire or explosion. In contact with active metals (alkali metals, Na, Ca etc.) causes a reaction and release hydrogen.					
<b>Hazardous Reactions</b>					
<b>Conditions to Avoid</b>					
Incompatible materials, heat, flame and spark.					
<b>Incompatible Materials</b>					
Oxidants, alkali metals, alkaline earth metals and aluminum. Alkali, sodium, calcium, and other active metal, halogen, metal oxide, nonmetal oxide, acyl halide and metal phosphide.					
<b>Hazardous Decomposition products</b>					
Under normal conditions of storage and use, hazardous decomposition products should not be produced.					
<b>Section 11 Toxicological Information</b>					
<b>&gt; Acute Toxicity</b>					
<b>Component</b>	<b>CAS No.</b>	<b>LD<sub>50</sub>(Oral)</b>	<b>LD<sub>50</sub>(Dermal)</b>	<b>LC<sub>50</sub>(Inhalation, 4h)</b>	
Acrylic acid Polymers	9003-01-4	2500mg/kg(Rat)	No information available	No information available	
Trolamine	102-71-6	5846mg/kg(Mouse)	No information available	No information available	
Ethanol	64-17-5	7060mg/kg(Rat)	No information available	39mg/L(Mouse)	
<b>&gt; Skin Corrosion/Irritation</b>					
No information available					
<b>&gt; Serious Eye Damage/Irritation</b>					
No information available					
<b>&gt; Skin Sensitization</b>					
No information available					
<b>&gt; Respiratory Sensitization</b>					
No information available					
<b>&gt; Germ Cell Mutagenicity</b>					
No information available					
<b>&gt; Carcinogenicity</b>					
<b>ID</b>	<b>CAS No.</b>	<b>Component</b>	<b>IARC</b>	<b>NTP</b>	
1	64-17-5	Ethanol	Category 1	Not Listed	
2	9003-01-4	Acrylic acid Polymers	Category 3	Not Listed	
3	102-71-6	Trolamine	Category 3	Not Listed	
4	7732-18-5	Water	Not Listed	Not Listed	

Page 6 of 6

# Safety Data Sheet –Contd.

THANU SANITIZER UG6001191E

Disposal Recommendations Refer to section 13.1 and 13.2.

**Section 12 Ecological Information**

> **Reproductive Toxicity**  
No information available

> **Reproductive Toxicity (Additional)**  
No information available

> **STOT-Single Exposure**  
No information available

> **STOT-Repeated Exposure**  
No information available

> **Aspiration Hazard**  
No information available

**Section 12 Ecological Information**

> **Acute Aquatic Toxicity**

Component	CAS No.	Fish	Crustaceans	Algae
Trolamine	102-71-6	LC <sub>50</sub> : 11800mg/L (96h)(Fish)	EC <sub>01</sub> : 610mg/L (48h)	No information available
Ethanol	64-17-5	LC <sub>50</sub> : 11000mg/L (96h)(Fish)	EC <sub>01</sub> : 9950mg/L (48h)	No information available

> **Chronic Aquatic Toxicity**  
No information available

> **Others**  
**Persistence and Degradability** No information available  
**Bioaccumulative Potential** No information available  
**Mobility in Soil** No information available

**Results of PBT and vPvB Assessment**  
 Ethanol does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, annex XIII.  
 Acrylic acid polymers does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, annex XIII.  
 Trolamine does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, annex XIII.  
 Water does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, annex XIII.

**Section 13 Disposal Considerations**


**Waste Chemicals Contaminated Packaging**  
 Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal. Keep away from hot surfaces, flames, sparks, open flames, heat, and ignition source of fire. Return to supplier for recycling if possible.

Doc No. 7 of 0

THANU SANITIZER UG6001191E

Disposal Recommendations Refer to section 13.1 and 13.2.

**Section 14 Transport Information**



**Transporting Label**

Marine pollutant None  
 UN Number 1170  
 UN Proper Shipping Name ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
 Transport Hazard Class 3  
 Transport Subsidiary Hazard Class NONE  
 Packing Group II

**Section 15 Regulatory Information**

> **International Chemical Inventory**

Component	ENCS	TSCA	DSL	HCSC	NZIC	PICCS	KECI	AICS	ENCS
Ethanol	✓	✓	✓	✓	✓	✓	✓	✓	✓
Acrylic acid Polymers	✗	✓	✓	✓	✓	✓	✗	✓	✓
Trolamine	✓	✓	✓	✓	✓	✓	✓	✓	✓
Water	✓	✓	✓	✓	✓	✓	✓	✓	✗

**Legend:**  
 [ENCS] European Inventory of Existing Commercial Chemical Substances.  
 [TSCA] United States Toxic Substances Control Act Inventory.  
 [DSL] Canadian Domestic Substances List.  
 [HCSC] Health Canada's Inventory of Existing Commercial Chemical Substances.  
 [NZIC] New Zealand Inventory of Chemicals.  
 [PICCS] Philippine Inventory of Chemicals and Chemical Substances.  
 [KECI] Existing and Evaluated Chemical Substances.  
 [AICS] Australia Inventory of Chemical Substances.  
 [ENCS] Existing And New Chemical Substances.

**Section 16 Additional Information**

**Creation Date** 2020/03/04  
**Revision Date** 2020/03/04  
**Reason for Revision** -

**Notes:**  
 "✓" Indicates that the substance included in the regulations  
 "✗" That no data or included in the regulations

Doc No. 8 of 0

# Safety Data Sheet –Contd.

TANU SANITIZER	UGG001191E
<p><b>&gt; Disclaimer</b></p> <p>This Safety Data Sheet (SDS) was prepared according to UN GHS (the 7th revised edition). The data included in this SDS is based on the information provided by the manufacturer. The information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.</p>	
Page 9 of 9	