

SAFETY DATA SHEET

WATERLESS HANDSANITIZER

Revision: 01/2020 | Date Issued: 01/2020

SECTION1–PRODUCT AND COMPANY IDENTIFICATION			
TRADE NAME:	Waterless Hand Sanitizer		
CHEMICAL FAMILY:	Alcohol blend		
CHEMICAL NAME:	Not Applicable (mixture)		
SYNONYMS:	Disinfectant hand and surface cleaner		
CHEMICAL ABSTRACT NO:	Mixture N/A		
HAZCHEM CODE:	3[Y]E		
UN NO:	1993 Flammable liquid		
SECTION2–HAZARDOUS IDENTIFICATION			
MAIN HAZARD:	May be harmful if swallowed	CHEMICAL HAZARD:	None known
FLAMMABILITY:	Yes	BIOLOGICAL HAZARD:	None known
REPRODUCTIVE HAZARD:	None known	MUTAGENIC:	No
CARCINOGENIC:	No	NEUROTOXIN:	No

HEALTH HAZARDS (ACUTE AND CHRONIC):			
HEALTH EFFECTS (eye contact)	Can cause temporary irritation and blurred vision		
HEALTH EFFECTS (skin contact)	Not expected to be problematic		
HEALTH EFFECTS (ingestion)	Nausea with stomach aches		
HEALTH EFFECTS (inhalation)	Irritation to respiratory tract with dizziness, headaches and fatigue		
SECTION3-COMPOSITION			
HAZARDOUSCOMPONENTS:			
CHEMICAL NAME	CAS NO.	RECOMMENDED LIMITS	COMPOSITION RANGE
ETHYL ALCOHOL:	64-17-5	1000ppm (TWA)	<75%
GLYCEROL	56-81-5	0.05ppm (TLV)	<1.45%
HYDROGEN PEROXIDE	7722-84-1	No value established	<0.1%
EEC CLASSIFICATION: F XnXi		R Phrases: R10, R25/26/36/38/46	
SECTION4-FIRST AID MEASURES			
PRODUCT IN EYE:	Flush eye with water lifting upper and lower lids. Get medical attention.		
PRODUCT ON SKIN:	Flush with water and remove contaminated clothes. Seek medical advice.		
PRODUCT INGESTED:	Induce vomiting immediately. Give 2 glasses of water and seek medical attention.		
PRODUCT INHALED:	Remove to fresh air. Seek medical attention if breathing difficult.		
SECTION5-FIREFIGHTING MEASURES			
EXTINGUISHING MEDIA:	Water spray, dry chemical or alcohol foam.		
SPECIAL HAZARDS:	Above flash point, vapour-air mixtures are explosive.		
PROTECTIVE CLOTHING:	Full protective clothing with self-contained breathing apparatus.		

SECTION6-ACCIDENTAL RELEASE MEASURES	
PERSONAL PRECAUTIONS:	Wear personal protective equipment as specified in section 8.
ENVIRONMENTAL PRECAUTIONS:	Do not flush to sewer or soil.
SMALL SPILLS:	Cover with inert absorbent material. Dispose in chemical waste containers. Rinse spill areas with fresh water.
LARGE SPILLS:	Contain and recover. Collect with inert material such as soil or sand. Dispose of in chemical waste containers. Rinse spill areas with fresh water.
SECTION7-HANDLING AND STORAGE	
SUITABLE MATERIAL:	Keep in original containers
HANDLING / STORAGE PRECAUTIONS:	Keep away from ignition sources and heat.
SECTION8-EXPOSURE CONTROL/PERSONAL PROTECTION	
OCCUPATION EXPOSURE LIMITS:	Ethanol – 1000ppm TWA, Glyecrol – 0.05ppm (TLV) Hydrogen peroxide – no value established
ENGINEERING CONTROL MEASURES:	A system of local or general exhaust is recommended.
PERSONAL PROTECTION: (respiratory)	If limit exceeded, full face-piece respirator.
PERSONAL PROTECTION: (hand)	Impervious protective gloves.
PERSONAL PROTECTION: (eye)	Face shield if splashing probable.
PERSONAL PROTECTION: (skin)	Boots, apron, overalls, as necessary to prevent skin contact.
SECTION9-PHYSICAL AND CHEMICAL PROPERTIES	
APPEARANCE:	Clear liquid
ODOUR:	Alcohol
pH (as is)	6.8 – 8.0
BOILING POINT:	Not known
MELTING POINT:	Not known
FLASH POINT:	16 - 23°C
FLAMMABILITY:	Yes

AUTO IGNITION:	No
EXPLOSIVE LIMITS:	Not known
OXIDIZING PROPERTIES:	Not applicable
VAPOUR PRESSURE:	Not known
DENSITY:	0,88
SOLUBILITY: (water)	Yes
SOLUBILITY: (solvent)	No
SOLUBILITY: (coefficient)	Not known
SECTION10 – STABILITY AND REACTIVITY	
CONDITIONS TO AVOID:	Light, heat and incompatibilities
INCOMPATIBLE MATERIALS:	Strong oxidizers, perchlorates, alkali metals, hydrogen peroxide.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide and dioxide
SECTION11 – TOXICOLOGICAL INFORMATION	
ACUTE TOXICITY:	Oral rat LD50 > 5000mg/kg
SKIN AND EYE CONTACT:	Irritant
CHRONIC TOXICITY:	Not available
CARCINOGENIC:	Linked to liver cancer
MUTAGENIC:	Investigated
REPRODUCTIVE HAZARD:	Not known

SECTION12-ECOLOGICAL INFORMATION	
AQUATIC TOXICITY: (fish)	Toxic
AQUATIC TOXICITY: (daphnia)	Not known
AQUATIC TOXICITY: (algae)	Not known
BIODEGRADABLE:	Yes
BIO-ACCUMULATION:	No
MOBILITY:	Yes
GERMAN WGK:	Not known
SECTION13-DISPOSAL CONSIDERATIONS	
DISPOSAL CONSIDERATION:	Dilute and dispose at approved sites. Handle as hazardous waste.
DISPOSAL OF PACKING:	Do not rinse and recycle. Dispose of in approved land fill sites.
SECTION14-TRANSPORT INFORMATION	
ROAD/RAIL ADR/RID	
CLASS:	3 Flammable
PROPER SHIPPING NAME:	Flammable liquid, NOS
UN NUMBER:	1993
PACKAGING GROUP:	II
SEA (IMDG)	
CLASS:	3 Flammable
PROPER SHIPPING NAME:	Flammable liquid, NOS
UN NUMBER:	1993
PACKAGING GROUP:	II
AIR (IATA – DGR)	
CLASS:	3 Flammable
PROPER SHIPPING NAME:	Flammable liquid, NOS
UN NUMBER:	1993
PACKAGING GROUP:	II
TREM CARD NO:	Not available

SECTION15-REGULATORY INFORMATION

EEC HAZARD CLASSIFICATION:	F Xn Xi
NATIONAL LEGISLATION:	Not applicable.
R PHRASES:	R10, R25/26/36/38/46
S PHRASES:	S25/26, S37/39/46

SECTION16-OTHER INFORMATION

DISCLAIMER: The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health. The information contained herein has been compiled from sources considered by Hygiene Systems to be dependable and is accurate to the best of the company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Hygiene Systems assumes no responsibility for injury to the recipient or third persons, for any damage to any property resulting for misuse of the controlled product.