




Safety Data Sheet

Section 1. Identification	
Product Identification and Item Numbers:	Hand Sanitizer Alcohol Antiseptic 80%, Non-Sterile Solution (AA80HS250)
Product Description:	Hand Sanitizer Alcohol Antiseptic 80%, Non-Sterile Solution
Recommended use and restrictions on use:	N/A
Supplier:	Delasco 608 13 th Avenue Council Bluffs, IA 51501 1-712-323-3269 www.delasco.com questions@delasco.com
In Case of Emergency, Contact:	Chemtrec (24 hour) 1-800-424-9300

Section 2. Hazard(s) Identification			
Classification:			
Flammable Liquid (Category 3) H226 Skin Irrit. Category 2 H315	Eye Irrit. Category 2A H319 Carc. Category 1A H350	Repr. Category 2 H361 STOT SE 1 H370	
Labeling:			
Hazard symbol(s):			
 GHS02: flame	 GHS07: exclamation mark	 GHS08: health hazard	
Signal word: Danger!			
Hazard statements:			
H226 - Flammable liquid and vapor H315: Causes skin irritation. H319: Causes serious eye irritation. H350 - May cause cancer (Ingestion)	H361 - Suspected of damaging the unborn child (Ingestion) H370 - damages organs (central nervous system, optic nerve) (oral, Dermal)		
Precautionary statements:			
P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical, lighting, ventilating equipment P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P260 - Do not breathe mist, spray, vapors P264 - Wash exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P280 - Wear eye protection, face protection, protective clothing, protective gloves P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P308+P313 - IF exposed or concerned: Get medical advice/attention P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P370+P378 - In case of fire: Use carbon dioxide (CO2), powder, alcohol-resistant foam to extinguish P403+P235 - Store in a well-ventilated place. Keep cool P405 - Store locked up P501 - Dispose of contents/container to comply with local, state and federal regulations			

Section 6. Accidental Release Measures	
Personal precautions and protective equipment:	<ul style="list-style-type: none"> Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking. Protective Equipment: Gloves. Protective goggles. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus. Emergency Procedures: Keep upwind. Mark the danger area. Consider evacuation. Seal off low-lying areas. Close doors and windows of adjacent premises. Stop engines and no smoking. No naked flames or sparks. Spark- and explosion-proof appliances and lighting equipment. Keep containers closed. Wash contaminated clothes.
Environmental Precautions:	Prevent spreading in sewers.
Containment / clean up methods:	<ul style="list-style-type: none"> Contain: Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Measure the concentration of the explosive gas-air mixture. Dilute/disperse combustible gas/vapor with water curtain. Provide equipment/receptacles with earthing. Do not use compressed air for pumping over spills. Clean Up: Take up liquid spill into a non combustible material, e.g. sand, earth, vermiculite, powdered limestone. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Damaged/cooled tanks must be emptied. Do not use compressed air for pumping over spills. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

Section 7. Handling and Storage	
Precautions for safe handling:	Provide adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate personal protective equipment and avoid contact with skin, eyes, and clothing. Remove all sources of ignition. All metal equipment must be grounded. Handle in accordance with good industrial hygiene and safety practices.
Conditions for safe storage:	Keep tightly closed, cool and away from flame. Protect containers against physical damage.
Incompatibilities to avoid:	High heat / flames.

Section 8. Exposure Controls and Personal Protection		
Ethanol		
USA ACGIH	ACGIH STEL (ppm)	1000 ppm (Ethanol; USA; Short time value; TLV - Adopted)
USA OSHA	OSHA PEL (TWA) (mg/m ³)	1900 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
Engineering controls:	Use fume hood or other means of adequate ventilation. Emergency eye wash / showers.	
Personal protective equipment:	<p>Respiratory Protection Wear gas mask with filter type A if conc. in air > exposure limit.</p> <p>Eye Protection Wear appropriate eye protection to prevent eye contact.</p> <p>Skin Protection Wear appropriate personal protective clothing to prevent skin contact. Immediately wash the skin when it becomes contaminated. Work clothing that becomes wet should be immediately removed due to its flammability hazard.</p>	
Other personal protection measures:	Do not eat, drink or smoke during use.	

Section 9. Physical and Chemical Properties	
Appearance (physical state, color, etc.):	Clear, colorless liquid.
Odor:	Strong ethanol odor.
Odor threshold:	Data not available
pH:	Data not available
Melting point / freezing point:	Data not available for this mixture.

Initial boiling point and boiling range:	Data not available for this mixture.
Flash point:	Data not available for this mixture.
Evaporation rate:	Data not available for this mixture.
Flammability	Data not available for this mixture.
Upper / lower flammability or explosive limits:	Data not available for this mixture.
Vapor Pressure:	Data not available for this mixture.
Vapor density:	Data not available for this mixture.
Relative density:	Data not available for this mixture.
Solubility:	Very soluble in water.
Partition coefficient: n-octanol/water:	Data not available for this mixture.
Auto-ignition temperature:	363-426 °C / 685.4-798.8 °F (Ethanol)
Decomposition temperature:	Data not available for this mixture.
Viscosity:	Data not available for this mixture.

Section 10. Stability and Reactivity	
Reactivity:	Upon combustion: CO and CO ₂ are formed. Reacts violently with many compounds e.g.: with (strong) oxidizers: (increased) risk of fire/explosion. Violent to explosive reaction with (some) acids.
Chemical stability:	Hygroscopic.
Possibility of hazardous reactions:	Not established.
Conditions to avoid (static, shock, vibration...)	Direct sunlight. Extremely high or low temperatures. Open flame.
Incompatible materials:	Strong acids. Strong bases.
Hazardous decomposition products:	Fumes. Carbon monoxide. Carbon dioxide. May release flammable gases.

Section 11. Toxicological Information	
Routes of exposure:	Ingestion, inhalation, skin and/or eye contact.
Acute Symptoms (acute):	<ul style="list-style-type: none"> Inhalation: EXPOSURE TO HIGH CONCENTRATIONS: Dry/sore throat. Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes. Respiratory difficulties. Central nervous system depression. Symptoms similar to those listed under ingestion. Eye Contact: Redness of the eye tissue. Lacrimation. ON CONTINUOUS EXPOSURE/CONTACT: Irritation of the eye tissue. Skin Contact: Slight irritation. Ingestion: AFTER ABSORPTION OF LARGE QUANTITIES: Risk of aspiration pneumonia. Red skin. Body temperature rise. Damp/clammy skin. Excited/restless. Accelerated heart action. Central nervous system depression. Dizziness. Narcosis. Headache. Drunkenness. Nausea. Vomiting. Disturbed motor response. Coordination disorders. Visual disturbances. Impaired concentration. Delusions. Disturbed sensation of pain. Disturbances of heart rate. Disturbances of consciousness. Tremor. Cramps/uncontrolled muscular contractions. Dilated pupils.
Symptoms (chronic): Chronic effects from short and long term exposure:	<p>Chronic/repeated exposure may cause:</p> <ul style="list-style-type: none"> Dry skin. Gastrointestinal complaints. Enlargement/affection of the liver. Change in the haemogramme/blood composition. Cardiac and blood circulation effects. High arterial pressure. Impairment of the nervous system. Behavioural disturbances. Mental confusion. Disturbed tactile sensibility. Tremor. Affection of the bone marrow. Affection of the endocrine system. Weakening of the immune system.

Numerical measures of toxicity (e.g., acute toxicity estimates):	Ethanol:	
	LD50 oral rat	10740 mg/kg (Rat; Experimental value,Rat; Experimental value)
	LD50 dermal rabbit	> 16000 mg/kg (Rabbit; Literature study)
NTP carcinogen:	Not listed (Ethanol)	
EPA carcinogen:	Not available (Ethanol)	
ACGIH carcinogen:	A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans (Ethanol)	
IARC potential carcinogen:	Group 1 (Ethanol) - Carcinogenic to humans	
OSHA carcinogen:	Present (Ethanol)	

Section 12. Ecological Information (Non-mandatory)			
Ecotoxicity (aquatic and terrestrial, where available):	Ethanol:	LC50 fish 1	14200 mg/l (LC50; US EPA; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)
Persistence and degradability:	Ethanol:	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.	
Biochemical oxygen demand (BOD)	Ethanol:	0.8 - 0.967 g O	
Chemical oxygen demand (COD)	Ethanol:	1.7 g O	
ThOD	Ethanol:	2.1 g O	
BOD (% of ThOD)	Ethanol:	2.4 g O	
Bioaccumulative potential:			
BCF fish 1	Ethanol:	1 (BCF; Other; 72 h; Cyprinus carpio; Static system; Fresh water; Read-across)	
Log Pow	Ethanol:	-0.31 (Experimental value)	
Bioaccumulative potential	Ethanol:	Low potential for bioaccumulation (Log Kow < 4).	
Mobility in soil:			
Surface tension	Ethanol:	0.022 N/m (20 °C)	
Log Koc	Ethanol:	Koc,PCKOCWIN v1.66; 1; Read-across	
Other adverse effects:	Ethanol:	Avoid release to the environment.	

Section 13. Disposal Considerations (Non-mandatory)	
Safe methods of disposal:	Dispose of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information (Non-mandatory)					
US DOT	UN number:	UN1987	Class:	3	Packing Group: II
UN proper shipping name:			Flammable liquid, n.o.s., (alcohols)		
Packing group, if applicable:			II		
Environmental hazards (marine pollutant, etc...)			Not available		
Special transport precautions:			N/A		

Section 15. Regulatory Information (Non-mandatory)	
Specific safety, health, and environmental regulations:	N/A

Section 16. Other information	
Date of preparation or last revision:	November 11, 2020