



SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY INFORMATION

Product Name(s): Alcohol Wipes
Product Code(s): 72048
Uses: Single use disposable alcohol wipes for personal/hand cleaning.
Company: Benchmark Industrial
Address: 950 Claycraft Road; Gahanna, OH 43230; USA
Telephone Number: (614) 695-6500 Fax Number: Not available.
Emergency Telephone Number: Not available.
Date Issued: May 1, 2020 Date Revised: May 1, 2020

This SDS complies with the OSHA Hazard Communication Standard 29CFR1910.1200 as revised in May 2012 (GHS). It may not meet requirements in other countries.

SECTION 2 HAZARDS IDENTIFICATION

GHS Signal Word: **DANGER**

GHS Classification: Flammable Liquid (Category 2)
Eye Irritation (Category 2B)



GHS Hazard Statements: Highly flammable liquid and vapor
Causes eye irritation

GHS Precautionary Statements: Prevention:
Keep out of reach of children.
Keep away from heat/sparks/open flames/hot surfaces.– No smoking.
Keep container tightly closed.
Wear protective gloves/eye protection/face protection.
Wash hands/skin thoroughly after handling.

Storage:
Store in a well-ventilated place. Keep cool.

Response:
In case of fire: Use water spray/dry chemical/carbon dioxide/foam to extinguish.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

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

SECTION 2 HAZARDS IDENTIFICATION

Hazards Not
Otherwise
Classified: None.

GHS
Assessment: Approximately 0% of this mixture consists of ingredient(s) of unknown acute toxicity.
Approximately 0% of the mixture consists of ingredient(s) of unknown hazards to the aquatic environment.

SECTION 3 COMPOSITION / INGREDIENTS

Component	CAS Number	EC Number	Concentration
Ethanol	64-17-5	200-578-6	70.0 - 80.0%
<i>Classification: Flam. Liq. 2: H225; Eye Irrit. 2B: H320</i>			

Other components are non-hazardous, do not significantly contribute to the hazards of the product or do not require disclosure.

Trade Secret Claims: Specific chemical identity and/or exact percentage (concentration) of components has been withheld as a trade secret.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4 FIRST AID MEASURES

First Aid - Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention, if irritation develops.

First Aid - Skin: In the unlikely event that contact causes a reaction, flush area with soap and water and seek medical attention.

First Aid - Ingestion: If swallowed and feel unwell, call a physician or poison control center. DO NOT induce vomiting unless directed to do so by a physician or poison control center. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

First Aid - Inhalation: If respiratory symptoms or other symptoms of exposure develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek immediate medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Important Symptoms /
Effects – Acute and
Delayed: Moderate tissue inflammation (eyes), blurred vision, impaired thoughts or speech, slowed reflexes and breathing.

Advice to Physician: Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Treat surrounding material. Water spray, dry chemical, carbon dioxide, or foam is recommended. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

Specific Hazards: This product is flammable. This product may give rise to hazardous vapors in a fire. Vapors/fumes may be irritating, corrosive and/or toxic.

Protective equipment and
procedures for fire-fighters. Wear full protective clothing and self-contained breathing apparatus.

Additional Advice: None.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill Procedures:	Collect and/or wipe up spills with an absorbent towel/material and transfer into suitable containers for recovery or disposal. Finally flush area with water.
Personal Precautions:	No special protective clothing is required.
Environmental Precautions:	No special containment is necessary. Do not dispose of product directly into the environment.

SECTION 7 HANDLING AND STORAGE

Handling:	Do not use near open flame or while smoking. If exposed to the liquid, avoid contact with eyes. Avoid breathing vapors, mists or sprays. Use in a well-ventilated area.
Storage:	Keep container(s) tightly closed. Use and store this material at room temperature away from sources of ignition, heat, direct sunlight and hot metal surfaces. Keep away from any incompatible materials (see Section 10).
Additional Advice:	Store in original container. Store as directed by the manufacturer.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Standards:	Exposure limits are listed below, if they exist.
Alcohol Wipes:	None.
Ethanol:	ACGIH TLV: 1000 ppm TWA. OSHA PEL: 1000 ppm TWA. NIOSH REL: 1000 ppm TWA.
Engineering Control Measures:	Not required under normal conditions of use.
Respiratory Protection:	A NIOSH certified respirator with an organic cartridge may be used under conditions where airborne concentrations are expected to exceed exposure limits.
Hand Protection:	Not required under normal conditions of use.
Eye Protection:	Not required under normal conditions of use.
Body Protection:	Not required under normal conditions of use.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid mixture impregnated into a poly-viscose non-woven fabric
Color:	White with clear, colorless liquid
Odor:	Alcoholic, sweet
Odor Threshold:	10 ppm (ethanol)
pH:	Not available.
Melting Point/Range (°C/°F):	Not available.
Boiling Point/Range (°C/°F):	78.3°C / 172.9°F
Flash Point (PMCC) (°C/°F):	17.5°C / 63.5°F
Evaporation Rate:	Not available.
Flammability / Explosivity Limits in Air (%):	(ethanol)

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

	Lower flammable limit: 3.3 vol%
	Upper flammable limit: 19.0 vol%
Vapor Pressure:	42.9 mmHg (20°C) (ethanol)
Vapor Density (Air = 1):	1.59 (ethanol)
Relative Density:	0.841 g/cm ³ (20°C) (estimated - liquid)
Solubility in Water:	Completely soluble
Partition Coefficient:	Not available.
Autoignition Temperature (°C/°F):	> 360°C / 680°F
Decomposition Temperature (°C/°F):	Not available.
Viscosity:	Not available.
Explosive Properties:	None.
Oxidizing Properties:	None.
Volatile Organic Content (VOC) (g/l):	ca. 630 - 650 g/l (as defined by 40CFR51.100)

SECTION 10 STABILITY AND REACTIVITY

Reactivity:	Product will not undergo additional reaction.
Stability:	Stable under normal storage conditions.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Contact with incompatible materials, excessive heat.
Incompatibilities:	Strong oxidizing agents, strong bases.
Hazardous Decomposition Products:	Oxides of carbon, aliphatic compounds, toxic by-products.

SECTION 11 TOXICOLOGICAL INFORMATION

If available, toxicity data for the product is given; otherwise component data is listed.

Acute Toxicity:	This product is not expected to be appreciably harmful. (Ethanol) Oral LD50 (rat) 10470 mg/kg; Dermal LD50 (rabbit) 17100 mg/kg (surrogate compound); Inhalation LC50 (rat) 124.7 mg/l (4 hr - vapor)
Skin Corrosion / Irritation:	The product may be mildly irritating to the skin. (Ethanol) Not appreciably irritating to the skin (rabbit).
Serious Eye Damage / Irritation:	The product may be moderately irritating to the eyes. (Ethanol) Moderately irritating to eyes (rabbit).
Respiratory or Skin Sensitization:	The product is not expected to be dermally sensitizing. (Ethanol) Not dermally sensitizing (mouse ear swelling test).
Mutagenicity:	This product is not expected to be mutagenic. (Ethanol) Not mutagenic (Ames test, mammalian cell gene mutation assay, rodent dominant lethal assay).
Carcinogenicity:	This product is not expected to be carcinogenic. (Ethanol) Evidence suggests an increased development of liver tumors in experimental animals; however, the NOEL was greater than 3000 mg/kg in rats by oral administration.

SECTION 11 TOXICOLOGICAL INFORMATION

Reproductive / Developmental Toxicity:	This product is not expected to be reproductively or developmentally harmful. (Ethanol) In orally-dosed rats at up to 11.3 g/kg, the NOAEL was 5200 mg/kg/day based on body weight gains and a reduction of skeletal ossifications in fetuses at higher doses.
Chronic/Subchronic Toxicity: Specific Target Organ/Systemic Toxicity – Single Exposure:	(Ethanol) Caused central nervous system depression in animals.
Chronic/Subchronic Toxicity: Specific Target Organ/Systemic Toxicity – Repeated Exposure:	(Ethanol) In a 14 week oral study in rats, the NOAEL was 1730 mg/kg/day based on increased kidney weights and incidences of kidney lesions.
Aspiration Hazard:	This product is not expected to pose an appreciable aspiration hazard.
Additional Information:	None.

SECTION 12 ECOLOGICAL INFORMATION

If available, ecological data for the product is given; otherwise component data is listed.

Acute Ecotoxicity:	This product is not expected to be appreciably harmful to aquatic species. (Ethanol) LC50 (Rainbow trout) 13,000 mg/l/96 hr; LC50 (Daphnia magna) 11,853 mg/l/48 hr; LC50 (green algae) 9310 mg/l/48 hr.
Mobility:	(Ethanol) Expected to have very high mobility based upon a Koc of 2.75.
Persistence/Degradability:	(Ethanol) Readily biodegradable (84 - 95% in 20 days).
Bioaccumulation:	(Ethanol) An estimated BCF of 3 suggests the potential for bioconcentration in aquatic organisms is low.
Other adverse effects:	None.

SECTION 13 DISPOSAL CONSIDERATION

Environmental precautions:	No special containment is necessary. Do not dispose of product directly into the environment.
Product Disposal:	Dispose in accordance with all local, state (provincial), and federal regulations.
Container Disposal:	Dispose in accordance with all local, state (provincial), and federal regulations.

SECTION 14 TRANSPORT INFORMATION

DOT (US):

Proper Shipping Name:	Ethanol solution May be shipped in limited or excepted quantities.
UN Number:	UN1170
Class:	3
Packaging Group:	II
Reportable Quantity:	None.
Marine Pollutant:	None.

IATA:

SECTION 14 TRANSPORT INFORMATION

Proper Shipping Name:	Ethanol solution May be shipped in limited or excepted quantities.
UN Number:	UN1170
Class:	3
Packing Group:	II
IMDG:	
Proper Shipping Name:	Ethanol solution May be shipped in limited or excepted quantities.
UN Number:	UN1170
Class:	3
Packing Group:	II
Marine Pollutant:	None.

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations.

SECTION 15 REGULATORY INFORMATION

US Toxic Substance Control Act:	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
Canadian Domestic Substance List:	All components of this product are listed on the Canadian Domestic Substance List.
EU REACH:	All components of this product have been pre-listed or registered under REACH.
TSCA Sec.12(b) Export Notification:	This product does not contain a chemical at or above de minimis concentrations which requires reporting.
Canadian WHMIS Classification:	B.2, D.2.B This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.
Massachusetts Right-To-Know:	This product contains materials subject to disclosure under the Massachusetts Right-To-Know Law: - Ethanol
New Jersey Right-To-Know:	This product contains materials subject to disclosure under the New Jersey Right-To-Know Law: - Ethanol (0844)
Pennsylvania Right-To-Know:	This product contains materials subject to disclosure under the Pennsylvania Right-To-Know Law: - Ethanol
California Proposition 65:	This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm.
SARA TITLE III-Section 311/312 Categorization (40 CFR 370):	Flammability, immediate (acute) hazard (as of 2018, the EPA has adopted GHS hazard classifications)
SARA TITLE III-Section 313 (40 CFR 372):	This product does not contain materials which are listed in Section 313 at or above de minimis concentrations.

SECTION 15 REGULATORY INFORMATION

CERCLA Hazardous Substance (40 CFR 302)	This product does not contain materials subject to reporting under CERCLA and Section 304 of EPCRA.	
Water Hazard Class (WGK):	This product is slightly water-endangering (WGK=1).	
Other Chemical Inventories:	Australia (AICS):	All components of this product are listed.
	China (IECSC):	All components of this product are listed.
	Japan (ENCS):	All components of this product are listed.
	Korea (KCI):	All components of this product are listed.
	Philippines (PICCS):	All components of this product are listed.
	Taiwan (TCSI):	All components of this product are listed.

SECTION 16 OTHER INFORMATION

NFPA Rating - HEALTH:	2		
NFPA Rating - FIRE:	3		
NFPA Rating - REACTIVITY:	0		
NFPA Rating - SPECIAL:	NONE		
Full text of H-Statements referred to under Section 3:			
	H225	Highly flammable liquid and vapor	
	H320	Causes eye irritation	
SDS Date Issued:	May 1, 2020		
SDS Current Version:	1.0	Version Date:	May 1, 2020
SDS Revision History:	v1.0 Initial version.		
Abbreviations:	GHS:	Globally Harmonized System of Classification and Labeling of Chemicals	
	CAS#:	Chemical Abstract Services Number	
	ACGIH:	American Conference of Governmental Industrial Hygienists	
	OSHA:	Occupational Safety and Health Administration	
	NFPA:	National Fire Protection Association	
	DOT:	US Department of Transportation	
	RCRA:	US Resource Conservation and Recovery Act	
	TLV:	Threshold Limit Value	
	TWA:	Time-Weighted Average	
	PEL:	Permissible Exposure Limit	
	STEL:	Short Term Exposure Limit	
	WEEL:	Workplace Environmental Exposure Levels	
	AIHA:	American Industrial Hygiene Association	
	NTP:	National Toxicology Program	
	IARC:	International Agency for Research on Cancer	
	LD50:	Lethal Dose 50%	
	LC50:	Lethal Concentration 50%	
	NOAEL:	No Observed Adverse Effect Level	
	NOEL:	No Observed Effect Level	
	EC50:	Effective Concentration 50%	
	LL50:	Lethal Loading Rate 50%	
	BCF:	Bioconcentration Factor	
	BOD:	Biological Oxygen Demand	
	Koc:	Soil Organic Carbon Partition Coefficient.	
	Tlm:	Median Tolerance Limit	
Key References:	United States National Library of Medicine's TOXNET		

SECTION 16 OTHER INFORMATION

Patty's Toxicology, 5th Edition
European Commission's Institute for Health and Consumer Protection
European Chemicals Agency (ECHA)
American Conference of Governmental Industrial Hygienists
International Agency for Research on Cancer
United States National Toxicology Program
United States Occupational Safety and Health Administration
United States Department of Transportation
Supplier Material Safety Data Sheets

Disclaimer:

The data contained herein is based on information that the company believes to be reliable, but no expressed or implied warranty is made with regard to the accuracy of such data or its suitability for a given situation. Such data relates only to the specific product described and not to such products in combination with any other product and no agent of the company is authorized to vary any of such data. The company and its agents disclaim all liability for any action taken or foregone on reliance upon such data.

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