



Blending Technologies, LLC

Buffered Alcohol 70%

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200) & UN GHS Classification

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Not applicable.
Trade Name	Buffered Alcohol 70%
CAS No.	Mixture

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Veterinary use
Uses Advised Against	None.

Details of the supplier of the safety data sheet

Company Identification	Blending Technologies, llc 2880 North Star Road Columbus, OH 43221 +1 (614) 582-6222 BLENDTECK@AOL.COM
Telephone	
E-Mail (competent person)	

Emergency telephone number

Emergency Phone No.	+1 (614) 582-6222; 8:00 AM - 5:00 PM (EST); Not classified as dangerous for transport.
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SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200) / GHS Classification	Flam. Liq. 3; Eye Irrit. 2; STOT SE 3
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Label elements

Hazard Symbol



WARNING

Signal Word(s)

Hazard Statement(s)

Flammable liquid and vapor.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary Statement(s)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Take precautionary measures against static discharge.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/.../ equipment.
Use only non-sparking tools.
Do not get in eyes. Wear eye protection.
Avoid breathing vapors.
Wash hands and exposed skin after use.
IF IN EYES: Immediately flush eyes for at least 15 minutes.
Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if eye irritation develops or persists.



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Other hazards
Additional Information

None.
None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	%W/W	CAS No.	Hazard Statement(s)
Isopropanol	50 - 70	67-63-0	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Proprietary glycol	5 - 10	Trade Secret	Not classified as dangerous for supply/use.

Other Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.: **None**

Additional Information - None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Unlikely to be required but if necessary treat symptomatically.
Skin Contact	Wash affected skin with soap and water. If symptoms occur obtain medical attention.
Eye Contact	Immediately flush eyes for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if eye irritation develops or persists.
Ingestion	Unlikely to be required but if necessary treat symptomatically.

Most important symptoms and effects, both acute and delayed None

Indication of any immediate medical attention and special treatment needed None

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

-Suitable Extinguishing Media	Extinguish with carbon dioxide, dry chemical, foam or water spray.
-Unsuitable Extinguishing Media	None anticipated.

Special hazards arising from the substance or mixture None

Advice for fire-fighters Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Do not get in eyes.

Environmental precautions Avoid release to the environment.

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Methods and material for containment and cleaning up	Contain and cover spilled substance with dry sand or earth or other suitable dry material. Transfer to a container for disposal or recovery.
Reference to other sections	None
Additional Information	None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Do not get in eyes.
Conditions for safe storage, including any incompatibilities	
-Storage temperature	Store at room temperature.
-Incompatible materials	None
Specific end use(s)	Veterinary use

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		OSHA (PEL)	TLV (ACGIH)	OSHA (PEL)	TLV (ACGIH)	
Isopropanol	67-63-0	400 ppm	-----	200 ppm	400 ppm	-----

Recommended monitoring method NIOSH 1401 (Alcohols II)

Exposure controls

Appropriate engineering controls Not normally required.

Personal protection equipment

Eye/face protection Wear protective eye glasses for protection against liquid splashes.



Skin protection (Hand protection/ Other) Not normally required.



Respiratory protection Not normally required.



Thermal hazards Not normally required.

Environmental Exposure Controls Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Color.	Clear Colourless
Odor	Not available
Odor Threshold (ppm)	Not available
pH (Value)	Not available



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Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	Not available
Flash Point (°C)	23.3 (74 °F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not applicable
Vapor Pressure (mm Hg)	Not available
Vapor Density (Air=1)	Not available
Density (g/ml)	0.852
Solubility (Water)	Soluble
Solubility (Other)	Not known
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Non-combustible
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt) @ 40°C	Not available
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

Other information None

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	None known
Incompatible materials	None
Hazardous decomposition product(s)	Carbon monoxide, Carbon dioxide, Other

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

Isopropanol (CAS# 67-63-0):

Acute toxicity	Oral: LD50 = 5.84 g/kg (rat) Dermal: LD50 = 16.4 ml/kg (rabbit) 24 hour(s) Inhalation: LC50 > 1000 ppm (rat) 6 hour(s) - Vapours may cause drowsiness and dizziness.
Irritation / Corrosivity	Irritating to eyes.
Sensitisation	It is not a skin sensitizer.
Repeated dose toxicity	NOAEL = 5,000 ppm (Inhalation) - Vapours may cause drowsiness and dizziness.
Carcinogenicity	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	No information available
Other information	None known.



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SECTION 12: ECOLOGICAL INFORMATION

Acute toxicity (calculated / estimated)	LC50 (96 hour): >100 mg/l (Fish) EC50 (48 hour): >100 mg/l (crustacea) EC50 (96 hour): >100 mg/l (Algae)
Long Term Toxicity	No data
Persistence and degradability	Biodegradable
Bioaccumulative potential	The product has no potential for bioaccumulation.
Mobility in soil	The product has high mobility in soil.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
Additional Information	None known.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT) *	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	UN 1993	UN 1993	UN 1993
Proper Shipping Name	Flammable liquid, n.o.s. (Isopropyl alcohol, 70%)	Flammable liquid, n.o.s. (Isopropyl alcohol, 70%)	Flammable liquid, n.o.s. (Isopropyl alcohol, 70%)
Transport hazard class(es)	3	3	3
Packing group	III	III	III
Environmental hazards	No.	No.	No.
Special precautions for user	None assigned.	None assigned.	None assigned.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

Refer to 49 CFR 173.150 for limited quantity exceptions.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

SARA 311/312 - Hazard Categories: None

- Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	-----	-----



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SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

Proposition 65 (California):

Chemical Name	CAS No.	Typical %wt.	Hazards
None	-----	-----	-----

SECTION 16: OTHER INFORMATION

Additional Information None

Date of preparation: June 26, 2015

Hazard Statement(s)

- H225: Highly flammable liquid and vapor.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.

The following sections contain revisions or new statements: 1 - 16

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