

Product Name: Amplite® Ethanol Quantitation Kit

Catalog Number: 40001

<i>Chemical Name</i>	<i>CAS#</i>	<i>EINECS#</i>	<i>Appearance</i>	<i>Water Solubility</i>
Component A: Amplite® Ethanol Reagent (light sensitive)	N/A	N/A	liquid	high
Component B: Assay Buffer	N/A	N/A	liquid	high
Component C: Ethanol Enzyme Mix (lyophilized)	N/A	N/A	solid	high
Component D: DMSO	67-68-5	N/A	liquid	high
Component E: Ethanol Standard	64-17-5	N/A	Liquid	High

Safety Data Sheet

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name: Amplite® Ethanol Quantitation Kit
Product number: 40001

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

Identified uses: For research use only. Not intended for diagnostic or therapeutic use.

1.3 Details of the supplier of the safety data sheet

Company: AAT Bioquest, Inc.
Address: 5775 W Las Positas Blvd, Pleasanton, CA 94588
Telephone: (408)-733-1055
Fax: (408)-733-1304
Email: info@aatbio.com

1.4 Emergency telephone number

Chemtrec (Within USA): 1-(800)-424-9300
Chemtrec (Outside USA): 1-(703)-527-3887

Section 2: Hazard identifications

2.1 Classification of the substance or mixture

Not evaluated; GHS hazards have not been determined.

2.2 Label elements

Signal word: Not available
Hazard statements: Not available
Symbols/Pictograms: Not available
Precautionary statements - prevention: Not available
Precautionary statements - response: Not available
Precautionary statements - storage: Not available
Precautionary statements - disposal: Not available

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Hazards not otherwise classified (HNOC): Not available

2.4 Other information

Other hazards: Not available

Section 3: Composition/information on ingredients

3.1 Substances

Chemical name:	Amplite® Ethanol Quantitation Kit
CAS number:	Not available
Molecular weight:	Not applicable
Formula:	Not available

Section 4: First aid measures

4.1 First-aid measures

General advice:	If symptoms occur, seek medical advice/attention.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Skin contact:	Rinse cautiously with water for several minutes. Consult a physician if necessary.
Inhalation:	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
Ingestion:	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Consult a physician if necessary.
Self-protection of the first aider:	Use personal protective equipment.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:	No information available.
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4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians:	Treat symptomatically.
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Section 5: Firefighting measures

5.1 Suitable extinguishing media

Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media:	No information available.

5.2 Specific hazards arising from the chemical

Specific hazards arising from the chemical:	No information available.
Hazardous combustion products:	No information available.

5.3 Explosion data

Sensitivity to mechanical impact:	No information available.
Sensitivity to static discharge:	No information available.

5.4 Protective equipment and precautions for firefighters

Protective equipment and precautions for firefighters:	Standard procedure for chemical fires.
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Section 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions:	Use appropriate personal protective equipment. Ensure adequate ventilation.
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6.2 Environmental precautions

Environmental precautions:	Avoid discharge into drains and waterways whenever possible.
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6.3 Methods and material for containment and cleaning up

Methods for containment:	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up:	Take up mechanically, placing in appropriate containers for disposal.

Section 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:	Use personal protective equipment as required. No special handling advices are necessary.
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7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:	Keep in a properly-labeled container. Keep the container tightly closed in a cool, dry and well-ventilated place.
Incompatible materials:	No information available.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Exposure guidelines:	No information available.
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8.2 Appropriate engineering controls

Engineering controls:	Ensure adequate ventilation, especially in confined areas.
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8.3 Individual protection measures, such as personal protective equipment

Eye/face protection:	Tight sealing safety goggles.
Skin and body protection:	Wear protective gloves and clothing.
Respiratory protection:	In case of insufficient ventilation wear suitable respiratory equipment.
General hygiene considerations:	When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Keep away from food, drink, and animal feeding stuffs.

Section 9: Physical and chemical properties

Physical state:	Liquid
Solubility in water:	High
Appearance:	No information available.
Odor/odor threshold:	No information available.
pH:	No information available.
Melting point/freezing point:	No information available.
Boiling point:	No information available.
Flashpoint:	No information available.
Liquid density:	No information available.
Evaporation rate:	No information available.
Upper flammability limit:	No information available.
Lower flammability limit:	No information available.
Vapor pressure:	No information available.
Vapor density:	No information available.

Specific gravity:	No information available.
Water solubility:	No information available.
Solubility in other solvents:	No information available.
Partition coefficient:	No information available.
Autoignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Explosive properties:	No information available.
Oxidizing properties:	No information available.

Section 10: Stability and reactivity

Reactivity:	None known.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Hazardous reaction has not been reported.
Hazardous polymerization:	No information available.
Conditions to avoid:	No information available.
Incompatible materials:	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products:	No information available.

Section 11: Toxicological information

11.1 Information on likely routes of exposure

Inhalation:	No information available.
Eye contact:	No information available.
Skin contact:	No information available.
Ingestion:	No information available.

11.2 Information on toxicological effects

Symptoms:	No information available.
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11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity:	No information available.
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11.4 Numerical measures of toxicity - product information

Unknown acute toxicity:	No information available.
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Section 12: Ecological information

Ecotoxicity:	No information available.
Persistence and degradability:	No information available.
Bioaccumulation:	No information available.
Mobility:	No information available.

Section 13: Disposal consideration

Disposal of wastes:	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging:	Do not reuse container.

Other information:	None
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Section 14: Transport information

DOT:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

Section 15: Regulatory information

15.1 International Inventories

US Toxic Substances Control Act (TSCA):	Not listed
Canada (DSL/NDSL):	Not listed
Europe (EINECS/ELINCS/NLP):	Not listed
Australia (AICS):	Not listed
South Korea (KECL):	Not listed
China (IECSC):	Not listed
Japan (ENCS):	Not listed
Phillipines (PICCS):	Not listed

15.2 US Federal Regulations

SARA 313:	Not listed
SARA 311/312 components:	Not listed
CWA (Clean Water Act):	No information available.

15.3 US State Regulations

California Proposition 65:	Not listed
Massachusetts-RTK:	Not listed
New Jersey-RTK:	Not listed
Pennsylvania-RTK:	Not listed
U.S. State Right-To-Know Regulations:	No information available.

Section 16: Other information

16.1 HMIS

Health hazards:	Not determined
Flammability:	Not determined
Reactivity:	Not determined
Personal protection:	Not determined

16.2 NFPA

Health hazards:	Not determined
Flammability:	Not determined
Stability:	Not determined
Physical and chemical properties:	Not determined

16.3 Further information

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Users should make independent decisions regarding the completeness of the information based on all sources available. AAT Bioquest shall not be held liable for any damage resulting from handling or from contact with the above product.

Safety Data Sheet

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name: Ethanol Standard
Product number: 40001

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

Identified uses: For research use only. Not intended for diagnostic or therapeutic use.

1.3 Details of the supplier of the safety data sheet

Company: AAT Bioquest, Inc.
Address: 5775 W Las Positas Blvd, Pleasanton, CA 94588
Telephone: (408)-733-1055
Fax: (408)-733-1304
Email: info@aatbio.com

1.4 Emergency telephone number

Chemtrec (Within USA): 1-(800)-424-9300
Chemtrec (Outside USA): 1-(703)-527-3887

Section 2: Hazard identifications

2.1 Classification of the substance or mixture

Acute toxicity, oral; acute toxicity, inhalation: Category 4
Flammable liquids: Category 2
Serious eye damage/eye irritation: Category 2A
Specific target organ toxicity, single exposure: Category 2
Specific target organ toxicity, single exposure; Narcotic effects: Category 3

2.2 Label elements

Signal word: Danger
Hazard statements:
H225 - Highly Flammable liquid and vapor
H319 - Causes serious eye irritation
H371 - May cause damage to organs
H336 - May cause drowsiness or dizziness
H302+H332 - Harmful if swallowed or if inhaled

Symbols/Pictograms:



Precautionary statements - prevention:

Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof [electrical/ventilating/lighting] equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
Wash hands... thoroughly after handling. Do not touch eyes.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands... thoroughly after handling.
Do not eat, drink or smoke when using this product.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.

Precautionary statements - response:

IF ON SKIN (or hair): Take off Immediately all contaminated clothing.
Rinse SKIN with water [or shower].
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
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 help.
IF exposed or concerned: Get emergency medical help immediately.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Get medical help if you feel unwell.

Precautionary statements - storage:

Store in a well-ventilated place. Keep cool.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.

Precautionary statements - disposal:

Dispose of contents/container in accordance with local/regional/national/international regulation.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Hazards not otherwise classified (HNOC):

Hazards classified under paragraph (d)(1)(ii) of 1910.1200 No information available

2.4 Other information

Other hazards:

Poison, may be fatal or cause blindness if swallowed. Vapor harmful.
CANNOT BE MADE NON-POISONOUS. WARNING. Cancer and Reproductive Harm - <https://www.p65warnings.ca.gov/>.

Section 3: Composition/information on ingredients

3.1 Substances

Chemical name:	Ethanol Standard
CAS number:	64-17-5
Molecular weight:	Not applicable
Formula:	Not available

Section 4: First aid measures

4.1 First-aid measures

General advice:	If symptoms persist, call a physician.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Skin contact:	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
Ingestion:	Clean mouth with water and drink afterwards plenty of water.
Self-protection of the first aider:	Use personal protective equipment.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:	None reasonably foreseeable. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting: Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting
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4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians:	Treat symptomatically
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Section 5: Firefighting measures

5.1 Suitable extinguishing media

Suitable extinguishing media:	Water spray. Carbon dioxide (CO ₂). Dry chemical. Chemical foam. Water mist may be used to cool closed containers.
Unsuitable extinguishing media:	No information available

5.2 Specific hazards arising from the chemical

Specific hazards arising from the chemical:	Flammable. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated. Vapors may form explosive mixtures with air.
Hazardous combustion products:	Carbon monoxide (CO). Carbon dioxide (CO ₂).

5.3 Explosion data

Sensitivity to mechanical impact:	No information available
Sensitivity to static discharge:	No information available

5.4 Protective equipment and precautions for firefighters

Protective equipment and precautions for firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
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Section 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions:	Ensure adequate ventilation. Use personal protective equipment as required. Remove all sources of ignition. Take precautionary measures against static discharges.
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6.2 Environmental precautions

Environmental precautions:	Do not flush into surface water or sanitary sewer system.
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6.3 Methods and material for containment and cleaning up

Methods for containment:	Keep in suitable, closed containers for disposal.
Methods for cleaning up:	Soak up with inert absorbent material. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

Section 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:	Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Take precautionary measures against static discharges.
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7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:	Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Keep away from heat, sparks and flame. Flammables area. Keep container tightly closed in a dry and well-ventilated place.
Incompatible materials:	Acids. Ammonia. Peroxides. Acid anhydrides. Acid chlorides. Metals. Reducing Agent.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Exposure guidelines:	Ethyl alcohol: ACGIH TLV: STEL: 1000 ppm OSHA PEL: (Vacated) TWA: 1000 ppm (Vacated) TWA: 1900 mg/m3 TWA: 1000 ppm TWA: 1900 mg/m3 NIOSH: IDLH: 3300 ppm REL = 1000 ppm (TWA) REL = 1900 mg/m3 (TWA) Mexico OEL (TWA): STEL: 1000 ppm. Methyl alcohol: ACGIH TLV: TWA: 200 ppm STEL: 250 ppm Skin OSHA PEL: (Vacated) TWA: 200 ppm (Vacated) TWA: 260 mg/m3 (Vacated) STEL: 250 ppm (Vacated) STEL: 325 mg/m3 Skin TWA: 200 ppm TWA: 260 mg/m3 NIOSH: IDLH: 6000 ppm REL = 200 ppm (TWA) REL = 260 mg/m3 (TWA) STEL: 250 ppm STEL: 325 mg/m3 Mexico OEL (TWA): TWA: 200 ppm STEL: 250 ppm. Isopropyl alcohol: ACGIH TLV: TWA: 200 ppm STEL: 400 ppm OSHA PEL: (Vacated) TWA: 400 ppm (Vacated) TWA: 980 mg/m3 (Vacated) STEL: 500 ppm (Vacated) STEL: 1225 mg/m3 TWA: 400 ppm TWA: 980 mg/m3 NIOSH: IDLH: 2000 ppm REL = 400 ppm (TWA) REL = 980 mg/m3 (TWA) STEL: 500 ppm STEL: 1225 mg/m3 Mexico OEL (TWA): TWA: 200 ppm STEL: 400 ppm.
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8.2 Appropriate engineering controls

Engineering controls:	Ensure adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting equipment. Ensure that eyewash stations and safety showers are close to the workstation location.
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8.3 Individual protection measures, such as personal protective equipment

Eye/face protection:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
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Skin and body protection:	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory protection:	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Recommended Filter type: Organic gases and vapours filter. Type A. Brown. conforming to EN14387.
General hygiene considerations:	When using do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

Section 9: Physical and chemical properties

Physical state:	Liquid
Solubility in water:	High
Appearance:	No information available.
Odor/odor threshold:	No information available
pH:	No information available
Melting point/freezing point:	-114 °C / -173.2 °F
Boiling point:	78 °C / 172.4 °F @ 760 mmHg
Flashpoint:	12 °C / 53.6 °F Method - No information available
Liquid density:	No information available.
Evaporation rate:	No information available.
Upper flammability limit:	Upper 19 vol%
Lower flammability limit:	Lower 4 vol%
Vapor pressure:	59 mbar @ 20 °C
Vapor density:	1.59 (Air = 1.0)
Specific gravity:	0.78
Water solubility:	Miscible
Solubility in other solvents:	No information available
Partition coefficient:	Ethyl alcohol: -0.32; Methyl alcohol: -0.74; Isopropyl alcohol: 0.05
Autoignition temperature:	370 °C / 698 °F
Decomposition temperature:	No data available
Viscosity:	1.2 mPa.s at 20 °C
Explosive properties:	Vapors may form explosive mixtures with air
Oxidizing properties:	No information available.

Section 10: Stability and reactivity

Reactivity:	None known, based on information available
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	None under normal processing.
Hazardous polymerization:	Hazardous polymerization does not occur.
Conditions to avoid:	Keep away from open flames, hot surfaces and sources of ignition. Incompatible products.

Incompatible materials:

Acids, Ammonia, Peroxides, Acid anhydrides, Acid chlorides, Metals, Reducing Agent

Hazardous decomposition products:

Carbon monoxide (CO), Carbon dioxide (CO₂)

Section 11: Toxicological information

11.1 Information on likely routes of exposure

Inhalation:

Avoid breathing vapors or mists. Harmful by inhalation.

Eye contact:

Avoid contact with eyes. Irritating to eyes. Vapor may cause irritation.

Skin contact:

Avoid contact with skin. May cause irritation. Prolonged skin contact may defat the skin and produce dermatitis.

Ingestion:

May be harmful if swallowed.

11.2 Information on toxicological effects

Symptoms:

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity:

Toxicology data for the components: Ethyl alcohol: LD50 Oral LD50 = 10470 mg/kg OECD 401 (Rat) 3450 mg/kg (Mouse); LD50 Dermal -; LC50 Inhalation LC50 = 117-125 mg/l (4h) OECD 403 (rat) 20000 ppm/10H (rat). Methyl alcohol: LD50 Oral LD50 = 1187 – 2769 mg/kg (Rat); LD50 Dermal LD50 = 17100 mg/kg (Rabbit); LC50 Inhalation LC50 = 128.2 mg/l (Rat) 4 h. Isopropyl alcohol: LD50 Oral 5045 mg/kg (Rat) 3600 mg/kg (Mouse); LD50 Dermal 12800 mg/kg (Rat); LC50 Inhalation 72.6 mg/L (Rat) 4 h. (b) skin corrosion/irritation: No data available. (c) serious eye damage/irritation: Category 2A. (d) respiratory or skin sensitization: Respiratory No data available; Skin No data available. (e) germ cell mutagenicity: No data available. (h) STOT-single exposure: Category 2; Results / Target organs: Optic nerve, Central nervous system (CNS). (i) STOT-repeated exposure: No data available; Target Organs: None known. (j) aspiration hazard: No data available. Reproductive Effects: California Proposition 65. Reproductive toxicity. Other Adverse Effects: The toxicological properties have not been fully investigated. Endocrine Disrupting Properties: This product does not contain any known or suspected endocrine disruptors.

11.4 Numerical measures of toxicity - product information

Unknown acute toxicity:

Toxicologically Synergistic Products: No information available

Section 12: Ecological information

Ecotoxicity:	Contains a substance which is:. Toxic to aquatic organisms. The product contains following substances which are hazardous for the environment. Ethyl alcohol: Freshwater Algae EC50 (72h) = 275 mg/l (Chlorella vulgaris); Freshwater Fish Fathead minnow (Pimephales promelas) LC50 = 14200 mg/l/96h; Microtox Photobacterium phosphoreum:EC50 = 34634 mg/L/30 min Photobacterium phosphoreum:EC50 = 35470 mg/L/5 min; Water Flea EC50 = 9268 mg/L/48h EC50 = 10800 mg/L/24h. Methyl alcohol: Freshwater Algae Not listed; Freshwater Fish Pimephales promelas: LC50 > 10000 mg/L 96h; Microtox EC50 = 39000 mg/L 25 min EC50 = 40000 mg/L 15 min EC50 = 43000 mg/L 5 min; Water Flea EC50 > 10000 mg/L 24h. Isopropyl alcohol: Freshwater Algae EC50: > 1000 mg/L, 72h (Desmodesmus subspicatus) EC50: > 1000 mg/L, 96h (Desmodesmus subspicatus); Freshwater Fish LC50: = 9640 mg/L, 96h flow-through (Pimephales promelas) LC50: > 1400000 µg/L, 96h (Lepomis macrochirus) LC50: = 11130 mg/L, 96h static (Pimephales promelas) LC50: = 10000000 µg/L, 96h (Daphnia); Microtox = 35390 mg/L EC50 Photobacterium phosphoreum 5 min; Water Flea 13299 mg/L EC50 = 48 h 9714 mg/L EC50 = 24 h.
Persistence and degradability:	Persistence is unlikely based on information available.
Bioaccumulation:	No information available.
Mobility:	Will likely be mobile in the environment due to its volatility. Ethyl alcohol log Pow -0.32; Methyl alcohol log Pow -0.74; Isopropyl alcohol log Pow 0.05

Section 13: Disposal consideration

Disposal of wastes:	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.
Contaminated packaging:	Do not reuse container.
Other information:	Methyl alcohol - 67-56-1: RCRA - U Series Wastes U154; RCRA - P Series Wastes -

Section 14: Transport information

DOT:	UN-No UN1987; Proper Shipping Name ALCOHOLS, N.O.S.; Technical Shipping Name Ethanol/Methanol/Isopropanol; Hazard Class 3; Packing Group II
IMDG:	UN-No UN1987; Proper Shipping Name ALCOHOLS, N.O.S.; Technical Shipping Name Ethanol/Methanol/Isopropanol; Hazard Class 3; Packing Group II
IATA:	UN-No UN1987; Proper Shipping Name ALCOHOLS, N.O.S.; Technical Shipping Name Ethanol/Methanol/Isopropanol; Hazard Class 3; Packing Group II

Section 15: Regulatory information

15.1 International Inventories

US Toxic Substances Control Act (TSCA):	Ethyl alcohol 64-17-5 X ACTIVE -; Methyl alcohol 67-56-1 X ACTIVE -; Isopropyl alcohol 67-63-0 X ACTIVE -. TSCA - Per 40 CFR 751, Regulation of Certain Chemical Substances & Mixtures, Under TSCA Section 6(h) (PBT): Not applicable. TSCA 12(b) - Notices of Export: Not applicable
Canada (DSL/NDL):	Ethyl alcohol 64-17-5 DSL X NDSL -; Methyl alcohol 67-56-1 DSL X NDSL -; Isopropyl alcohol 67-63-0 DSL X NDSL -
Europe (EINECS/ELINCS/NLP):	Ethyl alcohol 64-17-5 EINECS 200-578-6; Methyl alcohol 67-56-1 EINECS 200-659-6; Isopropyl alcohol 67-63-0 EINECS 200-661-7
Australia (AICS):	Ethyl alcohol X; Methyl alcohol X; Isopropyl alcohol X
South Korea (KECL):	Ethyl alcohol KE-13217; Methyl alcohol KE-23193; Isopropyl alcohol KE-29363
China (IECSC):	Ethyl alcohol X; Methyl alcohol X; Isopropyl alcohol X
Japan (ENCS):	Ethyl alcohol X; Methyl alcohol X; Isopropyl alcohol X
Phillipines (PICCS):	Ethyl alcohol X; Methyl alcohol X; Isopropyl alcohol X

15.2 US Federal Regulations

SARA 313:	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. Methyl alcohol 67-56-1 Weight % 5 SARA 313 - Threshold Values % 1.0 % SARA 313 - Reporting thresholds -; Isopropyl alcohol 67-63-0 Weight % 5 SARA 313 - Threshold Values % 1.0 % SARA 313 - Reporting thresholds -
SARA 311/312 components:	Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.
CWA (Clean Water Act):	Not applicable

15.3 US State Regulations

California Proposition 65:	This product contains the following Proposition 65 chemicals. Ethyl alcohol 64-17-5 California Prop. 65 Development (alcoholic beverages only) Carcinogen Prop 65 NSRL - Category Developmental Carcinogen; Methyl alcohol 67-56-1 California Prop. 65 Developmental Prop 65 NSRL - Category Developmental
Massachusetts-RTK:	Ethyl alcohol Massachusetts X; Methyl alcohol Massachusetts X; Isopropyl alcohol Massachusetts X
New Jersey-RTK:	Ethyl alcohol New Jersey X; Methyl alcohol New Jersey X; Isopropyl alcohol New Jersey X
Pennsylvania-RTK:	Ethyl alcohol Pennsylvania X; Methyl alcohol Pennsylvania X; Isopropyl alcohol Pennsylvania X

U.S. State Right-To-Know Regulations:

Illinois: Ethyl alcohol X; Methyl alcohol X; Isopropyl alcohol -. Rhode Island: Ethyl alcohol X; Methyl alcohol X; Isopropyl alcohol X. Clean Air Act: Methyl alcohol HAPS Data X; Class 1 Ozone Depletors -; Class 2 Ozone Depletors -. OSHA - Occupational Safety and Health Administration: Not applicable. CERCLA: This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). Methyl alcohol Hazardous Substances RQs 5000 lb; CERCLA Extremely Hazardous Substances RQs -; SARA Reportable Quantity (RQ) 5000 lb 2270 kg. U.S. Department of Transportation: Reportable Quantity (RQ): Y; DOT Marine Pollutant N; DOT Severe Marine Pollutant N. U.S. Department of Homeland Security: This product does not contain any DHS chemicals. Other International Regulations: Mexico - Grade: No information available. Authorisation/Restrictions according to EU REACH: Ethyl alcohol 64-17-5 - - -; Methyl alcohol 67-56-1 Annex XVII Use restricted. See entry 69. (see link for restriction details) Use restricted. See entry 75. (see link for restriction details); Isopropyl alcohol 67-63-0 Annex XVII Use restricted. See entry 75. (see link for restriction details). REACH links: <https://echa.europa.eu/substances-restricted-under-reach>. Safety, health and environmental regulations/legislation specific for the substance or mixture: Ethyl alcohol 64-17-5 OECD HPV Listed Persistent Organic Pollutant Not applicable Ozone Depletion Potential Not applicable Restriction of Hazardous Substances (RoHS) Not applicable; Methyl alcohol 67-56-1 OECD HPV Listed Not applicable Not applicable Not applicable; Isopropyl alcohol 67-63-0 OECD HPV Listed Not applicable Not applicable Not applicable. Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)? Not applicable. Other International Regulations: Ethyl alcohol 64-17-5 Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification Not applicable Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements Not applicable Rotterdam Convention (PIC) Not applicable Basel Convention (Hazardous Waste) Annex I - Y42; Methyl alcohol 67-56-1 Seveso 500 tonne 5000 tonne Not applicable Not applicable; Isopropyl alcohol 67-63-0 Not applicable Not applicable Not applicable Annex I - Y42

Section 16: Other information

16.1 HMIS

Health hazards:	Not determined
Flammability:	Not determined
Reactivity:	Not determined
Personal protection:	Not determined

16.2 NFPA

Health hazards:	Not determined
Flammability:	Not determined

Stability:	Not determined
Physical and chemical properties:	Not determined

16.3 Further information

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Users should make independent decisions regarding the completeness of the information based on all sources available. AAT Bioquest shall not be held liable for any damage resulting from handling or from contact with the above product.