SAFETY DATA SHEET

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

1.1 Product identifiers

Product name	Eosin Yellow, 1% Alcohol Solution
CAS number	See Section 3
Synonyms	Eosin yellow solution, alcoholic

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

Identified uses	Laboratory Chemicals

1.3 Details of the supplier of the safety data sheet

Company	Lab Alley, LLC 12501 Pauls Valley Road Austin, Texas 78737 U.S.A.
Telephone	512-668-9918
Fax	512-886-4008

1.4 Emergency telephone

Emergency Phone #	US & Canada: 1-800-535-5053	INFOTRAC
	International 1-352-323-3500	INFOTRAC

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids	Category 2
Specific target organ toxicity (single exposure) Target Organs - Central nervous system (CNS).	Category 1
Specific target organ toxicity - (repeated exposure) Target Organs - Liver, Kidney, Heart.	Category 2

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal Word: Danger

Hazard statements:
Highly flammable liquid and vapor
May cause drowsiness or dizziness
Causes damage to organs
May cause damage to organs through prolonged or repeated exposure

Precautionary statements:
Prevention:
Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. - 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
Keep cool
Response:
IF exposed: Call a POISON CENTER or doctor/physician
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
In case of fire: Use CO2, dry chemical, or foam for extinction
Store locked up
Store in a well-ventilated place. Keep container tightly closed
Dispose of contents/container to an approved waste disposal plant

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

WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

SECTION 3: Composition/information on ingredients

3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Ethyl alcohol	No information available	64-17-5	70.0%
Water	No information available	7732-18-5	25.33%

Methyl alcohol	No information available	67-56-1	3.5%
Acid red 87	No information available	17372-87-1	1.0%
Isopropyl alcohol	No information available	67-63-0	0.17%

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

If inhaled Move to fresh air. If breathing is difficult, give oxygen. Obtain medical attention.

In case of skin contact Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention.

In case of eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

If swallowed Do not induce vomiting. Call a physician or Poison Control immediately.

4.2 Most important symptoms and effects, both acute and delayed

Breathing difficulties. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media CO_2, dry chemical, dry sand, alcohol-resistant foam. Cool closed containers exposed to fire with water spray.

Unsuitable extinguishing media Water may be ineffective, Do not use a solid water stream as it may scatter and spread fire.

5.2 Specific hazards arising from the substance or mixture

Flammable. Risk of ignition. Vapors may travel to source of ignition and flash back. Containers may explode when heated. Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Special protective equipment and precautions for firefighters

Thermal decomposition can lead to release of irritating gases and vapors. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

5.4 Further information

Flash Point 16.66 °C / 61.99 °F

Autoignition Temperature 363 °C

Explosion limits

Upper 19%
Lower 3.30%

Sensitivity to Mechanical Impact No information available
Sensitivity to Static Discharge No information available

NFPA

Health	Flammability	Instability	Physical hazards
3	4	1	N/A

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Remove all sources of ignition. Use personal protective equipment. Ensure adequate ventilation.

6.2 Environmental precautions

See Section 12 for additional ecological information.

6.3 Methods and materials for containment and cleaning up

Remove all sources of ignition. Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Keep container tightly closed in a dry and well-ventilated place.

6.4 Reference to other sections

See Section 12.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wear personal protective equipment. Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Use spark-proof tools and explosion-proof equipment. Ground/Bond container and receiving equipment.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Flammables area. Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatibilities

Acids, Acid anhydrides, Alkali metals, Metals, Ammonia, Peroxides, Isocyanates, Strong reducing agents, Strong oxidizing agents

SECTION 8: Exposure controls/personal protection

8.1 Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Component	Type	Value
Ethyl alcohol	(Vacated) TWA (Vacated) TWA TWA TWA	1000 ppm 1900 mg/m3 1000 ppm 1900 mg/m3
Methyl alcohol	(Vacated) TWA (Vacated) TWA (Vacated) STEL (Vacated) STEL Skin TWA TWA	200 ppm 260 mg/m3 250 ppm 325 mg/m3 200 ppm 260 mg/m3
Isopropyl alcohol	(Vacated) TWA (Vacated) TWA (Vacated) STEL (Vacated) STEL TWA TWA	400 ppm 980 mg/m3 500 ppm 1225 mg/m3 400 ppm 980 mg/m3

US. ACGIH Threshold Limit Values

Component	Type	Value
Ethyl alcohol	STEL	1000 ppm
Methyl alcohol	Skin TWA TWA	200 ppm 250 ppm
Isopropyl alcohol	TWA STEL	200 ppm 400 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Component	Type	Value
Ethyl alcohol	IDLH TWA TWA	3300 ppm 1000 ppm 1900 mg/m3
Methyl alcohol	IDLH TWA TWA STEL STEL	6000 ppm 200 ppm 260 mg/m3 250 ppm 325 mg/m3
Isopropyl alcohol	IDLH TWA TWA STEL STEL	2000 ppm 400 ppm 980 mg/m3 500 ppm 1225 mg/m3

Biological occupational exposure limits

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Use explosion-proof electrical/ventilating/lighting/equipment.

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.

Skin protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

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.

Control of environmental exposure

No information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Orange Green
Odor	Alcohol-like
Odor Threshold	No information available
pH	No information available
Melting Point/Range	No information available
Boiling Point/Range	No information available
Evaporation Rate	> 1
Flammability (solid)	No information available
Flammability or explosive limit	No information available
Upper	19%

Lower	3.30%
Vapor Pressure	40 mmHg @ 200 °C
Vapor Density	1.6
Density	0.8
Solubility	Soluble in water
Partition coefficient; n-octanol/water	No information available
Autoignition Temp	363 °C
Decomposition Temp	No information available
Viscosity	No information available
Molecular Formula	No information available
Molecular Weight	No information available
VOC Content(%)	No information available
Oxidizing properties	No information available

9.2 Other safety information No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

None known, based on information available

10.2 Chemical stability

Stable under normal conditions. May form explosive peroxides.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Heat, flames and sparks. Incompatible products.

10.5 Incompatible materials

Acids, Acid anhydrides, Alkali metals, Metals, Ammonia, Peroxides, Isocyanates, Strong reducing agents, Strong oxidizing agents

10.6 Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO2)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product Information, Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethyl alcohol	7060 mg/kg (Rat)	Not listed	20000 ppm/10H (Rat)
Methyl alcohol	6200 mg/kg (Rat)	15800 mg/kg (Rabbit)	64000 ppm (Rat) 4 h 83.2 mg/L (Rat) 4 h
Isopropyl alcohol	5840 mg/kg (Rat)	13900 mg/kg (Rat) 12870 mg/kg (Rabbit)	72.6 mg/L (Rat) 4 h

Oral LD50: Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.
Dermal LD50: Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.
Vapor LC50: Based on ATE data, the classification criteria are not met. ATE > 20 mg/l.

Skin corrosion/irritation

Irritating to eyes, respiratory system and skin

Serious eye damage/eye irritation

Irritating to eyes

Respiratory or skin sensitization

No information available

Germ cell mutagenicity

No information available

Carcinogenicity

Component	CAS	IARC	NTP	ACGIH	OSHA	Mexico
Ethyl alcohol	64-17-5	Group 1	Not listed	A3	X	Not listed
Water	7732-18-5	Not listed	Not listed	Not listed	Not listed	Not listed

Specific target organ toxicity - single exposure

Central nervous system (CNS)

Specific target organ toxicity - repeated exposure

Liver, Kidney, Heart

Reproductive toxicity

No information available.

Chronic effects

No information available.

11.2 Additional Information

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

SECTION 12: Ecological information

12.1 Toxicity

Do not empty into drains.

Component	Freshwater Fish	Microtox	Water Flea	Freshwater Algae
Ethyl alcohol	Fathead minnow (Pimephales promelas) LC50 = 14200 mg/l/96h	Photobacterium phosphoreum:EC50 = 34634 mg/L/30 min Photobacterium phosphoreum:EC50 = 35470 mg/L/5 min	EC50 = 9268 mg/L/48h EC50 = 10800 mg/L/24h	EC50 (72h) = 275 mg/l (Chlorella vulgaris)
Methyl alcohol	Pimephales promelas: LC50 > 10000 mg/L 96h	EC50 = 39000 mg/L 25 min EC50 = 40000 mg/L 15 min EC50 = 43000 mg/L 5 min	EC50 > 10000 mg/L 24h	Not listed
Acid red 87	LC50= 1200 mg/L/48h (Oryzias latipes)	Not listed	Not listed	Not listed
Isopropyl alcohol	1400000 µg/L LC50 96 h 11130 mg/L LC50 96 h 9640 mg/L LC50 96 h	35390 mg/L EC50 Photobacterium phosphoreum 5 min	13299 mg/L EC50 = 48 h 9714 mg/L EC50 = 24 h	1000 mg/L EC50 > 96 h 1000 mg/L EC50 > 72 h

12.2 Persistence and degradability

No information available

12.3 Bio accumulative potential

No information available

12.4 Mobility in soil

Component	log Pow
Ethyl alcohol	-0.32
Methyl alcohol	-0.74
Acid red 87	4.8
Isopropyl alcohol	0.05

12.5 Results of PBT and vPvB assessment

No information available

12.6 Endocrine disrupting properties

No information available

12.7 Other adverse effects

The toxicological properties have not been fully investigated.

SECTION 13: Disposal considerations

13.1 Waste Disposal Methods

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.

Component	RCRA - U Series
Methyl alcohol - 67-56-1	U154

SECTION 14: Transport information

DOT (US)

UN Number	UN1987
Proper Shipping name	ALCOHOLS, N.O.S.
Hazard Class	3
Packaging Group	II

IMDG

UN Number	UN1987
Proper Shipping name	ALCOHOLS, N.O.S.
Hazard Class	3
Packaging Group	II

IATA

UN Number	UN1987
Proper Shipping name	ALCOHOLS, N.O.S.
Hazard Class	3
Packaging Group	II

SECTION 15: Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not applicable

CERCLA Hazardous Substance List (40 CFR 302.4)
Not applicable

SARA 304 Emergency release notification

No information available

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not applicable

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

No information available

SARA 311/312 Hazardous

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

SARA 313 (TRI reporting)

Component	CAS-No	Weight %	SARA 313 - Threshold Values %
Isopropyl alcohol	67-56-1	3.7	1
Methyl alcohol	67-63-0	0.25	1

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not applicable

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not applicable

Safe Drinking Water Act

Component	CAS-No	HAPS Data
Methyl alcohol	67-56-1	X

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

No information available

US state regulations

US. Massachusetts RTK - Substance List

Component	RTK
Isopropyl alcohol	X
Ethyl alcohol	X
Methyl alcohol	X
Water	-

US. New Jersey Worker and Community Right-to-Know Act

Component	RTK

Isopropyl alcohol	X
Ethyl alcohol	X
Methyl alcohol	X
Water	-

US. Pennsylvania Worker and Community Right-to-Know Law

Component	RTK
Isopropyl alcohol	X
Ethyl alcohol	X
Methyl alcohol	X
Water	X

California Proposition 65

Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage. This product also contains the following Proposition 65 chemical of Methyl alcohol.

SECTION 16: Other information

Date of Issue: 12/16/2025

SECTION 17: Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.