

SECTION 1: Identification**1.1. Identification**

Product form : Mixture
 Product name : Quik Stik® All Purpose-Mini White, Yellow, Red

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Marking.
 Restrictions on use : No additional information available

1.3. Supplier

LA-CO Industries, Inc.
 1201 Pratt Boulevard
 Elk Grove Village, IL. 60007-5746
 Phone: (847) 956-7600
 Fax: (847) 956-9885
 E-mail: customer_service@laco.com

**1.4. Emergency telephone number**

Emergency number : 24-hour emergency: CHEMTREC- U.S. : 1-800-424-9300 International: +1-703-527-3887;
 全国应急中心 0532 8388 9090

SECTION 2: Hazard(s) identification**2.1. Classification of the substance or mixture****GHS classification**

Skin corrosion/irritation, Category 2 H315 Causes skin irritation.
 Serious eye damage/eye irritation, Category 2A H319 Causes serious eye irritation.
 Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements**GHS-US labelling**

Hazard pictograms (GHS) :



Signal word (GHS) : Warning
 Hazard statements (GHS) : H315 - Causes skin irritation.
 H319 - Causes serious eye irritation.
 Precautionary statements (GHS) : P264 - Wash hands thoroughly after handling.
 P280 - Wear eye protection, protective gloves.
 P302+P352 - If on skin: Wash with plenty of water.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P321 - Specific treatment (see First aid measures on this label).
 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.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS_US)

31.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
 31.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
 31.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/information on ingredients**3.1. Substances**

Not applicable

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3.2. Mixtures

Name	Product identifier	% (w/w)	GHS classification
(2-Methoxymethylethoxy)-propanol	(CAS-No.) 34590-94-8	20 - 40	Flam. Liq. 4, H227
Titanium dioxide	(CAS-No.) 13463-67-7	10 - 20	Carc. 2, H351
ethyl 3-ethoxypropionate	(CAS-No.) 763-69-9	10 - 20	Flam. Liq. 3, H226
Vinyl acetal polymers, butyrals	(CAS-No.) 63148-65-2	10 - <20	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate	(CAS-No.) 9014-85-1	0.5 - 1.5	Eye Dam. 1, H318 Aquatic Chronic 3, H412

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin thoroughly with mild soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : 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.
- First-aid measures after ingestion : Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after skin contact : Causes skin irritation.
- Symptoms/effects after eye contact : Causes serious eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

All treatments should be based on observed signs and symptoms of distress in the patient.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : None known.

5.2. Specific hazards arising from the chemical

- Fire hazard : No specific fire or explosion hazard.
- Reactivity : No dangerous reactions known.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid creating or spreading dust. Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

- Protective equipment : Refer to section 8.2.
- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Refer to section 8.2.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

- Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

For containment : Avoid generating dust. Contain and collect as any solid.
Methods for cleaning up : Minimise generation of dust. On land, sweep or shovel into suitable containers.

6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes.
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place.
Incompatible products : Strong acids. strong oxidizers. Strong bases.
Prohibitions on mixed storage : Incompatible materials.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

(2-Methoxymethylethoxy)-propanol (34590-94-8)		
ACGIH	Local name	(2-Methoxymethylethoxy)propanol
ACGIH	ACGIH TWA (mg/m ³)	606 mg/m ³
ACGIH	ACGIH TWA (ppm)	100 ppm
ACGIH	ACGIH STEL (mg/m ³)	909 mg/m ³
ACGIH	ACGIH STEL (ppm)	150 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: Eye & URT irr; CNS impair. Notations: Skin
ACGIH	Regulatory reference	ACGIH 2020
OSHA	OSHA PEL (TWA) (mg/m ³)	600 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
OSHA	OSHA PEL (STEL) (mg/m ³)	600 mg/m ³
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
IDLH	US IDLH (ppm)	600 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)	600 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	100 ppm
NIOSH	NIOSH REL (STEL) (mg/m ³)	900 mg/m ³
NIOSH	NIOSH REL (STEL) (ppm)	150 ppm

ethyl 3-ethoxypropionate (763-69-9)

Not applicable

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

Not applicable

Vinyl acetal polymers, butyral (63148-65-2)

Not applicable

Titanium dioxide (13463-67-7)

ACGIH	Local name	Titanium dioxide
ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
ACGIH	Remark (ACGIH)	TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
ACGIH	Regulatory reference	ACGIH 2020
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³

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Titanium dioxide (13463-67-7)

OSHA

Regulatory reference (US-OSHA)

OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls : Avoid dispersal of dust in the air (ie, clearing dust surfaces with compressed air). Either local exhaust or general room ventilation is usually required.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

It is a good industrial hygiene practice to minimize skin contact. In case of repeated or prolonged contact wear gloves. Use rubber gloves.

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

None under normal use

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: A solid crayon-like marker. waxy.
Colour	: Variable
Odour	: Solvent
Odour threshold	: No data available
pH	: No data available
Melting point	: 110 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1 g/ml
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

VOC content : 46 – 54 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

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10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Moisture. Direct sunlight.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Unknown acute toxicity (GHS_US)	31.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 31.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 31.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))
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(2-Methoxymethylethoxy)-propanol (34590-94-8)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 19020 mg/kg
LC50 inhalation rat (mg/l)	> 1667 mg/l/4h

ethyl 3-ethoxypropionate (763-69-9)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	4080 mg/kg
LC50 inhalation rat (ppm)	> 998 ppm 6 h
ATE (dermal)	4080 mg/kg bodyweight

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 2 mg/l/4h

Titanium dioxide (13463-67-7)

LD50 oral rat	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 6.82 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified.

Titanium dioxide (13463-67-7)

NOAEL (chronic, oral, animal/male, 2 years)	5 mg/kg bodyweight rat
Additional information	Carcinogen, cat 1A or 1B Inhalation of dust
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity : Not classified
STOT-single exposure : Not classified

Vinyl acetal polymers, butyrals (63148-65-2)

STOT-single exposure	May cause respiratory irritation.
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STOT-repeated exposure : Not classified

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

NOAEL (subacute, oral, animal/male, 28 days) 200 mg/kg bodyweight

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Likely routes of exposure : Skin and eye contact.

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : Causes serious eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No ecotoxicological data about this product are known.

(2-Methoxymethylethoxy)-propanol (34590-94-8)

LC50 fish 1 > 1000 mg/l *Poecilia reticulata*

ErC50 (algae) > 1000 mg/l

ethyl 3-ethoxypropionate (763-69-9)

LC50 fish 1 84 mg/l 24 h

EC50 crustacea > 911.1 mg/l 24 h

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

LC50 fish 1 52.5 mg/l juvenile *S. maximus*

EC50 crustacea 166 mg/l

ErC50 (algae) 15 mg/l

NOEC chronic algae 1 mg/l

12.2. Persistence and degradability

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Persistence and degradability Not established.

(2-Methoxymethylethoxy)-propanol (34590-94-8)

Persistence and degradability Readily biodegradable.

ethyl 3-ethoxypropionate (763-69-9)

Persistence and degradability Readily biodegradable.

Biodegradation 108 % 18 d

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

Persistence and degradability Not readily biodegradable.

12.3. Bioaccumulative potential

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Bioaccumulative potential Not established.

ethyl 3-ethoxypropionate (763-69-9)

Log Pow 1.47

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

Bioconcentration factor (BCF REACH) < 24

Bioaccumulative potential Not expected to bioaccumulate.

12.4. Mobility in soil

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Ecology - soil Not established.

12.5. Other adverse effects

Other information : No additional information available.

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SECTION 13: Disposal considerations

13.1. Disposal methods

- Sewage disposal recommendations : Do not dispose of waste into sewer.
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated.

Transportation of Dangerous Goods

Not regulated.

Transport by sea

Not regulated.

Air transport

Not regulated.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
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Vinyl acetal polymers, butyral (63148-65-2)

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
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15.2. International regulations

CANADA

(2-Methoxymethylethoxy)-propanol (34590-94-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

ethyl 3-ethoxypropionate (763-69-9)

Listed on the Canadian DSL (Domestic Substances List) inventory.

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Vinyl acetal polymers, butyral (63148-65-2)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Titanium dioxide (13463-67-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

No additional information available

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Titanium dioxide (13463-67-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

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All components are listed on the EEC inventory European Inventory of Existing Commercial Chemical Substances (EINECS).
All ingredients are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).

Titanium dioxide (13463-67-7)

Listed on IARC (International Agency for Research on Cancer)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on KECI (Korean Existing Chemicals Inventory)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on Taiwan National Chemical Inventory
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)

15.3. US State regulations

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State or local regulations	The titanium dioxide in this product is bound and is not respirable. California Prop. 65 warnings are not required.
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Component	State or local regulations
(2-Methoxymethylethoxy)-propanol(34590-94-8)	U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Titanium dioxide(13463-67-7)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Revision date : 05/27/2020

Data sources : European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

Other information : None.

Full text of H-statements:

H226	Flammable liquid and vapour.
H227	Combustible liquid
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

	ACGIH (American Conference of Government Industrial Hygienists)
	ATE: Acute Toxicity Estimate

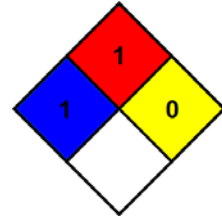
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	CAS (Chemical Abstracts Service) number
	CLP: Classification, Labelling, Packaging.
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population
	OSHA: Occupational Safety & Health Administration
	PBT: Persistent, Bioaccumulative, Toxic
	PNEC: Predicted No Effect Level
	STEL: Short Term Exposure Limits
	TSCA: Toxic Substances Control Act
	TWA: Time Weighted Average

- NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.
- NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
- NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



Indication of changes:
Product identifier.

SDS Prepared by: The Redstone Group, dba SafeBridge Consultants, Inc.
110 Polaris Pkwy
Suite 200
Westerville, OH USA 43082
P: +1 (614) 923-7472
www.redstonegrp.com

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.