

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

1.1. Product identifier

Product form : Mixture
Product name : Lipa-Solve 55
CAS No : 68603-25-8

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

1.3. Details of the supplier of the safety data sheet

TRUBOND TANNING PRODUCTS, LLC
328 SHORECREST DR.
SENECA, SC, USA, 29672
PH: 989-600-0869

1.4. Emergency telephone number

Emergency number (Chemtrec account 4657) : 1-800-424-9300 (+) 1-703-527-3887 (international)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Acute Tox. 4 (Oral) H302
Eye Dam. 1 H318
Aquatic Acute 2 H401

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) :
H302 - Harmful if swallowed
H318 - Causes serious eye damage
H401 - Toxic to aquatic life

Precautionary statements (GHS-US) :
P264 - Wash ... thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301+P312 - If swallowed: Call a poison center/doctor/... if you feel unwell
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a poison center/doctor/...
P330 - Rinse mouth
P501 - Dispose of contents/container to ...

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

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Name	Product identifier	%	Classification (GHS-US)
Alcohols, C-8 - C-10, ethoxylated, propoxylated	(CAS No) 68603-25-8	100	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 2, H401

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Get medical advice/attention if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.
- First-aid measures after skin contact : Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Immediately call a POISON CENTER or doctor/physician. Immediately rinse with water for a prolonged period while holding the eyelids wide open.
- First-aid measures after ingestion : Rinse mouth. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after eye contact : Causes serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.
- Unsuitable extinguishing media : Solid water jet ineffective as extinguishing medium.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Protection during firefighting : Self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection. Wear respiratory protection.
- Other information : Oxides of Carbon and Toxic fumes will be generated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Protective clothing. Safety glasses. Gloves.
- Emergency procedures : Avoid contact with skin and eyes.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Collect spillage. Plug the leak, cut off the supply. Provide equipment/receptacles with earthing.
- Methods for cleaning up : Absorb spillage to prevent material damage. Collect spillage. Take up liquid spill into absorbent material. Wash down leftovers with plenty of water.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wear personal protective equipment. Do not breathe vapors. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in original container. Keep container tightly closed. Store away from other materials.
- Incompatible products : strong acids. Strong bases.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Lipa-Solve 55 (68603-25-8)		
ACGIH	ACGIH TWA (ppm)	1 ppm Ethylene Oxide - 2 ppm Propylene Oxide
OSHA	OSHA PEL (TWA) (ppm)	1 ppm Ethylene Oxide
OSHA	OSHA PEL (STEL) (ppm)	5 ppm Ethylene Oxide
Alcohols, C-8 - C-10, ethoxylated, propoxylated (68603-25-8)		
ACGIH	ACGIH TWA (ppm)	1 ppm Ethylene Oxide - 2 ppm Propylene Oxide
OSHA	OSHA PEL (TWA) (ppm)	1 ppm Ethylene Oxide
OSHA	OSHA PEL (STEL) (ppm)	5 ppm Ethylene Oxide

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Personal protective equipment : Gloves. Safety glasses. Protective clothing.



Hand protection : In case of repeated or prolonged contact wear gloves.
Eye protection : Chemical goggles or safety glasses.
Skin and body protection : Wear suitable protective clothing.
Respiratory protection : In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid. Colorless to pale yellow liquid.
Color : Light yellow
Odor : mild
Odor threshold : No data available
pH : No data available
pH solution : $\approx 5.0 - 7.0$ (1 %)
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : No data available
Freezing point : ≈ -5 °C (23F)
Boiling point : No data available
Flash point : > 100 °C (212 F) PMCC
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapor pressure : No data available
Relative vapor density at 20 °C : No data available
Relative density : No data available
Solubility : Soluble in water.
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available

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Oxidizing properties : No data available

Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

strong acids. Strong bases.

10.6. Hazardous decomposition products

Oxides of Carbon and irritating fumes may be generated.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

Lipa-Solve 55 (lf)68603-25-8	
LD50 oral rat	72 mg/kg Ethylene Oxide / LD 50 Propylene Oxide= 380 mg/kg
LC50 inhalation rat (mg/l)	1.44 mg/l/4h Ethylene Oxide / LC 50 Propylene Oxide = 4,000 mg/l, 4h
ATE US (oral)	72.000 mg/kg body weight
ATE US (vapors)	1.440 mg/l/4h
ATE US (dust, mist)	1.440 mg/l/4h

Alcohols, C-8 - C-10, ethoxylated, propoxylated (68603-25-8)	
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LC50 inhalation rat (mg/l)	1.44 mg/l/4h Ethylene Oxide / LC 50 Propylene Oxide = 4,000 mg/l, 4h
ATE US (oral)	72.000 mg/kg body weight
ATE US (vapors)	1.440 mg/l/4h
ATE US (dust, mist)	1.440 mg/l/4h

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

Lipa-Solve55 (68603-25-8)	
IARC group	4 - Probably Not Carcinogenic

Alcohols, C-8 - C-10, ethoxylated, propoxylated (68603-25-8)	
IARC group	4 - Probably Not Carcinogenic

Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Symptoms/injuries after eye contact : Causes serious eye damage.

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SECTION 12: Ecological information

12.1. Toxicity

Lipa-Solve 55 (68603-25-8)

LC50 fish 1	73 - 96 mg/l 96 hours, Ethylene Oxide
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Alcohols, C-8 - C-10, ethoxylated, propoxylated (68603-25-8)

LC50 fish 1	73 - 96 mg/l 96 hours, Ethylene Oxide
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12.2. Persistence and degradability

Lippa-Solve 55 (68603-25-8)

Persistence and degradability	Not established.
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Alcohols, C-8 - C-10, ethoxylated, propoxylated (68603-25-8)

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Lippa-Solve 55 (68603-25-8)

Bioaccumulative potential	No bioaccumulation data available.
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Alcohols, C-8 - C-10, ethoxylated, propoxylated (68603-25-8)

Bioaccumulative potential	No bioaccumulation data available.
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer :

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of in accordance to local, state, federal regulations.

Waste disposal recommendations : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

Not regulated for transport

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

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SECTION 15: Regulatory information

15.1. US Federal regulations

Lippa-Solve 55 (68603-25-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

RQ (Reportable quantity, section 304 of EPA's List of Lists) : 10 lb Ethylene Oxide / 100 lb for Propylene Oxide

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

SARA Section 313 - Emission Reporting 0.001 % for Ethylene Oxide and Propylene Oxide

Alcohols, C-8 - C-10, ethoxylated, propoxylated (68603-25-8)

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SARA Section 313 - Emission Reporting 0.001 % for Ethylene Oxide and Propylene Oxide

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

15.2.2. National regulations

15.3. US State regulations

Lippa-Solve 55 (68603-25-8)

U.S. - California - Proposition 65 - Other information Ethylene and Propylene Oxide are listed in CA

Alcohols, C-8 - C-10, ethoxylated, propoxylated (68603-25-8)

U.S. - California - Proposition 65 - Other information Ethylene and Propylene Oxide are listed in CA

SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
H302	Harmful if swallowed
H318	Causes serious eye damage
H401	Toxic to aquatic life

NFPA health hazard

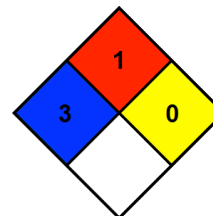
: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA fire hazard

: 1 - Must be preheated before ignition can occur.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



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HMIS III Rating

Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability	: 1 Slight Hazard
Physical	: 0 Minimal Hazard
Personal Protection	: C

SDS US (GHS HazCom 2012)

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