

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

1.1. Product identifier

Product name : Transformation Log & Timber Stain
 Product code : Not available

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

Use of the substance/mixture : Coating (Wood Stain)

1.3. Details of the supplier of the safety data sheet

Sashco Inc
 10300 E. 107th Place
 Brighton, CO 80601 - USA
 T 303.286.7271
info@sashco.com

1.4. Emergency telephone number

Emergency number : 800.535.5053

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flammable Liquid 3
 Acute Toxicity 4 (Inhalation)
 Skin Irritation 2
 Eye Irritation 2A
 Skin Sensitization 1
 Mutagenicity 2
 Carcinogenicity 2
 Reproductive Toxicity. 2
 Specific Target Organ Toxicity – Single Exposure 3
 Specific Target Organ Toxicity – Repeated Exposure 2

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

Flammable liquid and vapour. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing genetic defects. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause damage to central nervous system through prolonged or repeated exposure.

Precautionary statements (GHS-US) :

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. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing must not be allowed out of the workplace. Wash hands thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. 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 advice/attention. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of

Transformation Log & Timber Stain

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

38 percent of the mixture consists of ingredient(s) of unknown acute inhalation toxicity

SECTION 3 : Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%
Stoddard solvent	(CAS No) 8052-41-3	10 – 30
Benzene, 1-chloro-4-(trifluoromethyl)-	(CAS No) 98-56-6	10 – 30
Alkyd resin	TRADE SECRET	7 – 15
tert-Butyl acetate	(CAS No) 540-88-5	1 – 5
Benzene, trimethyl-	(CAS No) 25551-13-7	0.5 – 1.5
Aliphatic amine derivative	TRADE SECRET	0.5 – 1.5
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	(CAS No) 41556-26-7	0.5 – 1
2-Butanone, oxime	(CAS No) 96-29-7	0.5 – 1
Aromatic ether	TRADE SECRET	0.1 – 1
Xylenes (o-, m-, p- isomers)	(CAS No) 1330-20-7	0.1 – 0.5
3-Iodo-2-propynyl butylcarbamate	(CAS No) 55406-53-6	0.1 – 0.5
Poly(oxy-1,2-ethanediy), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	(CAS No) 104810-48-2	0.01 – 0.5
Poly(oxy-1,2-ethanediy), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]-	(CAS No) 104810-47-1	0.01 – 0.5
Ethylbenzene	(CAS No) 100-41-4	0.01 – 0.25
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidiny ester	(CAS No) 82919-37-7	0.01 – 0.25
Cumene	(CAS No) 98-82-8	0.01 – 0.2
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	(CAS No) 136-52-7	0.01 – 0.2

* The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: If inhaled and if breathing is difficult, 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.
First-aid measures after skin contact	: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.
First-aid measures after ingestion	: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

Symptoms/injuries after inhalation	: Harmful if inhaled. May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/injuries after ingestion	: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

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

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam, dry chemical, water fog.
Unsuitable extinguishing media	: None known.

Transformation Log & Timber Stain

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable liquid and vapour. Products of combustion may include, and are not limited to: oxides of carbon and other unidentified organics. Material will oxidize and can cause SPONTANEOUS COMBUSTION of contaminated rags, sawdust, or other ignitable absorbent material. Immerse in water immediately
- Explosion hazard : May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Eliminate sources of ignition.

6.2. Methods and material for containment and cleaning up

- For containment : Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Contaminated rags or other ignitable absorbent material used in clean up should be laid flat to dry completely before disposal or immersed in water immediately to prevent spontaneous combustion
- Methods for cleaning up : Scoop up material and place in a disposal container. Provide ventilation.

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
- Precautions for safe handling : Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required. Benzene, Lead and Cadmium are subject to the standard 29CFR 1910.1028, 29CFR1910.1025 and 29CFR1910.1027/1926/1127 which may contain specific requirements for handling including protective equipment, regulated areas, monitoring and medical surveillance. The employer should review the standard and assure compliance with applicable requirements.
- Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Keep out of the reach of children. Store in a cool well-ventilated place. Keep container tightly closed. Store away from sources of ignition.

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Stoddard solvent (8052-41-3)		
ACGIH	ACGIH TWA (ppm)	100 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	2900 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	500 ppm
Benzene, 1-chloro-4-(trifluoromethyl)- (98-56-6)		
ACGIH	Not applicable	
OSHA	Not applicable	
Alkyd Resin (TRADE SECRET)		
ACGIH	Not applicable	

Transformation Log & Timber Stain

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

Alkyd Resin (TRADE SECRET)		
OSHA	Not applicable	

tert-Butyl acetate (540-88-5)		
ACGIH	ACGIH TWA (ppm)	200 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	950 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	200 ppm

Benzene, trimethyl- (25551-13-7)		
ACGIH	ACGIH TWA (ppm)	25 ppm
OSHA	Not applicable	

Aliphatic amine derivative (TRADE SECRET)		
ACGIH	Not applicable	
OSHA	Not applicable	

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)		
ACGIH	Not applicable	
OSHA	Not applicable	

2-Butanone, oxime (96-29-7)		
ACGIH	Not applicable	
OSHA	Not applicable	

Aromatic ether (TRADE SECRET)		
ACGIH	Not applicable	
OSHA	Not applicable	

Xylenes (o-, m-, p- isomers) (1330-20-7)		
ACGIH	ACGIH TWA (ppm)	100 ppm
ACGIH	ACGIH STEL (ppm)	150 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm

3-Iodo-2-propynyl butylcarbamate (55406-53-6)		
ACGIH	Not applicable	
OSHA	Not applicable	

Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy- (104810-48-2)		
ACGIH	Not applicable	
OSHA	Not applicable	

Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]- (104810-47-1)		
ACGIH	Not applicable	
OSHA	Not applicable	

Ethylbenzene (100-41-4)		
ACGIH	ACGIH TWA (ppm)	20 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm

Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester (82919-37-7)		
ACGIH	Not applicable	

Transformation Log & Timber Stain

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester (82919-37-7)

OSHA	Not applicable
------	----------------

Cumene (98-82-8)

ACGIH	ACGIH TWA (ppm)	50 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	245 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	50 ppm

Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) (136-52-7)

ACGIH	Not applicable
OSHA	Not applicable

8.2. Exposure controls

Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: Wear chemically resistant protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Coloured liquid
Colour	: Brown
Odour	: Aromatic
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 300 - 400 °F
Flash point	: > 101 °F
Relative evaporation rate	: Slower than ether
Flammability (solid, gas)	: Flammable
Explosive limits	: Lower: 1.0% - Upper: N/A
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: No data available
Relative density	: 0.97
Relative vapour density at 20 °C	: No data available
Solubility	: Insoluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: 50 cSt @ 40 °C / 104 °F
Viscosity, dynamic	: No data available

9.2. Other information

VOC content	: < 250 g/l
-------------	-------------

Transformation Log & Timber Stain

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal storage conditions. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use. Material will oxidize and can cause spontaneous combustion of contaminated rags, sawdust, or other ignitable absorbent material.

10.4. Conditions to avoid

Heat, sparks, flame. Sources of ignition. Incompatible materials.

10.5. Incompatible materials

Oxidizers.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon, other unidentified organics.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful if inhaled.

Transformation Log & Timber Stain	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	>10 but ≤20 mg/l/4h (Calculated using ATE values)
Benzene, 1-chloro-4-(trifluoromethyl)- (98-56-6)	
LD50 oral rat	13 g/kg
LD50 dermal rabbit	> 2 ml/kg
LC50 inhalation rat	33 mg/l/4h
tert-Butyl acetate (540-88-5)	
LD50 oral rat	4100 mg/kg
LD50 dermal rabbit	> 2 g/kg
LC50 inhalation rat	> 2230 mg/m ³ /4h
Benzene, trimethyl- (25551-13-7)	
LD50 oral rat	8970 mg/kg
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
LD50 oral rat	2615 mg/kg
2-Butanone, oxime (96-29-7)	
LD50 oral rat	930 mg/kg
LD50 dermal rabbit	1000 - 1800 mg/kg
LC50 inhalation rat	> 4800 mg/m ³ /4h
Xylenes (o-, m-, p- isomers) (1330-20-7)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	> 4350 mg/kg
LC50 inhalation rat	29.08 mg/l/4h
3-Iodo-2-propynyl butylcarbamate (55406-53-6)	
LD50 oral rat	1100 mg/kg
Ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	15400 mg/kg
LC50 inhalation rat	17.2 mg/l/4h
Cumene (98-82-8)	
LD50 oral rat	1400 mg/kg
LD50 dermal rabbit	12300 µl/kg

Transformation Log & Timber Stain

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

Cumene (98-82-8)	
LC50 inhalation rat	> 3577 ppm/6h

Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) (136-52-7)	
LD50 oral rat	3129 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Suspected of causing genetic defects.
Carcinogenicity	: Suspected of causing cancer.

Ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	1 - Evidence of Carcinogenicity

Cumene (98-82-8)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	1 - Evidence of Carcinogenicity, 3 - Reasonably anticipated to be Human Carcinogen

Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: May cause damage to central nervous system through prolonged or repeated exposure.
Aspiration hazard	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: Harmful if inhaled. May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/injuries after ingestion	: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: May cause long-term adverse effects in the aquatic environment.
-------------------	---

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.
Additional information	: Handle empty containers with care because residual vapours are flammable.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

14.1. UN Number

49CFR, TDG, IMDG, IATA, ADR-RID, MEX

UN1263

Transformation Log & Timber Stain

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

14.2. UN proper shipping name

IMDG, IATA, ADR-RID, MEX

PAINT

14.3. Transport hazard class

49CFR, TDG, IMDG, IATA, ADR-RID, MEX



Class
Label

3 Flammable Liquid
3

14.4. Packing group

49CFR, TDG, IMDG, IATA, ADR-RID, MEX

III

14.5. Description

49CFR, TDG, IATA, ADR-RID-ADN, MEX
IMDG

Combustible liquid (49CFR & TDG)

Limited Quantity

UN1263 Paint, Class 3, Packing Group III
UN1263 Paint, Class 3, Packing Group III
Flash Point 40.44 degrees C c.c.
In packages of not more than 450 L (119 gallons) may be transported
(ground only) as a combustible liquid per 49CFR (173.150) - TDG
(1.33)
In packages of not more than 5 L (1.3 gallons)

14.6. Environmental hazards

Marine pollutant:

No

14.7. Transport/Additional Information

RID, ADR, ADN Classification Code
ADN Special Provisions
ADN Ventilation
Danger code (Kemler)
EmS Number:
Emergency Response Guide Number
Tunnel Restriction Code

F1
163, 640E, 650
VE01
33
F-E, S-E
128
D/E

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available.

15.2. US State regulations

Transformation Log & Timber Stain

State or local regulations

This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm

SECTION 16: Other information

Date of issue : 01/11/2016
Revision date : 01/11/2016
Other information : None.

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.