

A. G. Layne, Inc.

SAFETY DATA SHEET

SDS Distribution: The information in this document should be made available to all who may handle the product.

A.G. Layne, Inc. urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. It is the Buyer's/User's responsibility to ensure that his activities comply with all Federal, State, Provincial or Local laws. The information presented here pertains only to the product as shipped. The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. NO warranty or guarantee is expressed or implied regarding the accuracy of this data or the results to be obtained from the use of the product.

Product ID Lovoclacth Lo VOC Lacquer Thinner

SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID: Lovoclacth Lo VOC Lacquer Thinner
Product Name: Lo VOC Lacquer Thinner
Revision Date: Oct 14, 2015 **Date Printed:** Oct 14, 2015
Version: 1.1 **Supersedes Date:** May 29, 2015
Manufacturer's Name: A. G. Layne, Inc.
Address: 4578 Brazil Street Los Angeles, CA, US, 90039
Emergency Phone: CHEMTREC US : 1-800-424-9300, INTERNATIONAL CALLS : 1-703-527-3887
Information Phone Number: 323-245-2345
Fax:
Product/Recommended Uses: Lacquer Thinner

SECTION 2) HAZARDS IDENTIFICATION

Classification:

Specific Target Organ Toxicity -Single Exposure (Narcotic Effects) - Category 3
Aspiration Hazard - Category 2
Skin Irritation - Category 3
Eye Irritation - Category 2A
Acute aquatic toxicity - Category 3
Flammable Liquids Category 1
Acute toxicity, Inhalation - Category 4
Acute toxicity, Oral - Category 4

Pictograms:



Signal Word:

Danger

Hazardous Statements - Physical:

Extremely flammable liquid and vapor

Hazardous Statements - Health:

Harmful if inhaled
Harmful if swallowed
May be harmful if swallowed and enters airways
Causes serious eye irritation
Causes mild skin irritation
May cause drowsiness or dizziness

Hazardous Statements - Environmental:

Harmful to aquatic life

Precautionary Statements - General:

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Precautionary Statements - Prevention:

Avoid release to the environment.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Wash with soap and water thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

Keep away from heat, hot surfaces, 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 action to prevent static discharges.

Precautionary Statements - Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor if you feel unwell.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

IF SWALLOWED: Immediately call a POISON CENTER or doctor.

Do NOT induce vomiting.

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.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse with water or shower.

In case of fire: Use DRY chemical, alcohol- resistant foam, water spray/fog or carbon-dioxide to extinguish.

If skin irritation occurs: Get medical advice/attention.

Precautionary Statements - Storage:

Store locked up.

Store in a well-ventilated place. Keep cool.

Store in a well-ventilated place. Store locked up.

Precautionary Statements - Disposal:

Dispose of contents/container to disposal recycling center.

Waste management should be in full compliance with federal, state and local laws.

SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0000123-86-4	BUTYL ACETATE	42.8% - 54.7%
0000067-64-1	ACETONE	41.9% - 53.5%
0000111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	5.3% - 6.8%
0000071-43-2	BENZENE	0 - 0.001 %

SECTION 4) FIRST-AID MEASURES

Inhalation:

Remove source of exposure or move person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/Doctor. Specific treatment is urgent. If breathing has stopped, trained personnel should begin rescue breathing or, if the heart has stopped, immediately start cardiopulmonary resuscitation (CPR) or automated external defibrillation (AED).

Eliminate all ignition sources if safe to do so.

IF exposed or concerned: Get medical attention/advice.

Eye Contact:

Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Take care not to rinse contaminated water into the unaffected eye or onto the face. Get immediate medical attention.

Skin Contact:

Rinse/wash with lukewarm, gently flowing water (and mild soap) for 15-20 minutes or until product is removed. If skin irritation occurs or you feel unwell: Get medical advice/attention.

IF exposed or concerned: Get medical attention/advice.

Ingestion:

Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position.

IF exposed or concerned: Get medical attention/advice.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Dry chemical, foam, carbon dioxide is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

Unsuitable Extinguishing Media:

No data available.

Specific Hazards in Case of Fire:

Containers exposed to intense heat from fires should be cooled with large quantities of water. The vapour is heavier than air, spreads along the ground and distant ignition is possible.

Fire-fighting Procedures:

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Actions:

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure:

Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Do not touch or walk through spilled material.

RELEASE CAN CAUSE FIRE/EXPLOSION. LIQUIDS/VAPORS MAY IGNITE.

If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

Recommended Equipment:

Positive pressure, full-facepiece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

Personal Precautions:

Avoid breathing vapor. Avoid contact with skin, eye or clothing. Use explosive proof equipment. Avoid inhalation of dust and contact with skin and eyes. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions:

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

Methods and Materials for Containment and Cleaning up:

Dike and contain spill. For large spills remove by mechanical means and place in containers. Absorb residue or small spills with absorbent material and remove to non-leaking containers for disposal.

SECTION 7) HANDLING AND STORAGE

General:

Wash hands after use.
Do not get in eyes, on skin or on clothing.
Do not breathe vapors or mists.
Use good personal hygiene practices.
Eating, drinking and smoking in work areas is prohibited.
Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material. Ensure that all local regulations regarding handling and storage facilities are followed.

Ventilation Requirements:

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

Use only explosion-proof ventilation equipment.

Storage Room Requirements:

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous.

Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

Ground and bond containers and receiving equipment. Avoid static electricity by grounding.

Electrostatic charges may be generated during pumping. Keep away from aerosols, flammables, oxidizing agents, corrosives and from other flammable products.

SECTION 8) EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers.

Skin Protection:

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Eye Protection:

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Appropriate Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA Carcinogen	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	NIOSH Carcinogen	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)
ACETONE	1000	2400				250	590				500	1188
BENZENE	1 (a) / 25ceiling		50(a) / 10minutes.		1	0.1c		1c		1	0.5	1.6
BUTYL ACETATE	150	710				150	710	200	950		150	713
ETHYLENE GLYCOL MONOBUTYL ETHER	50	240				5	24				20	97

Chemical Name	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis
ACETONE	750	1782	A4	A4; BEI	URT & eye irr; CNS impair; hematologic eff
BENZENE	2.5	8	A1	Skin; A1; BEI	Leukemia
BUTYL ACETATE	200	950			Eye & URT irr
ETHYLENE GLYCOL MONOBUTYL ETHER			A3	A3; BEI	Eye & URT irr

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Note:

When you see the word "Estimate", understand that this information is strictly that, and no test data is/was available to determine the value.

Physical and Chemical Properties

% VHAPS	0.00%
lb VHAPS/lb Solid	0.00 lb/lb
lb VHAPS/lb Solid	0.00 lb/lb
VOC Regulatory	3.73 lb/gal
VOC Regulatory	446.94 g/l
Density	6.97 lb/gal
% Solids By Weight	0.00%
Density VOC	3.73 lb/gal
% VOC	53.48%
lb VOC/lb Solid	0.00 lb/lb
lb VOC/gal Solid	0.00 lb/gal
VOC Actual	3.73 lb/gal
VOC Actual	446.94 g/l
Specific Gravity	0.84
% Solids by Vol	0.00%
Density HAPS	0.00 lb/gal
% HAPS	0.00%
lb HAPS/lb Solid	0.00 lb/lb
lb HAPS/gal Solid	0.00 lb/gal
Density VHAPS	0.00 lb/gal

Appearance	Clear liquid
Odor Description	Characteristic
Odor Threshold	N.A.
pH	N.A.

Melting Point	N.A.
Freezing Point	N.A.
Low Boiling Point	N.A.
Auto Ignition Temp	N.A.
High Boiling Point	N.A.
Flash Point Symbol	C
Flash Point	-17.22 Estimate °C
Evaporation Rate	N.A.
Flammability	Flashpoint below 73 °F
Upper Explosion Level	N.A.
Lower Explosion Level	N.A.
Vapor Pressure	N.A.
Vapor Density	Heavier Than Air
Water Solubility	N.A.
Coefficient Water/Oil	N.A.
Decomposition Pt	0
Viscosity	N.A.
VOC Composite Partial Pressure	2.77644 mmHg (Calculated @ 20 C/68 F)

SECTION 10) STABILITY AND REACTIVITY

Stability:

Stable under normal conditions of use.

Conditions to Avoid:

Avoid heat, sparks, open flames and other ignition sources.

Hazardous Reactions/Polymerization:

Will not occur.

Incompatible Materials:

Strong oxidizing agents.

Hazardous Decomposition Products:

Thermal decomposition may yield carbon dioxide and/or carbon monoxide.

SECTION 11) TOXICOLOGICAL INFORMATION

Acute toxicity:

No data available

Skin Corrosion/Irritation:

Causes mild skin irritation

Serious eye damage/irritation:

Causes serious eye irritation

Respiratory or skin sensitization:

Irritating to the respiratory tract.

Germ cell mutagenicity:

No data available

Respiratory/Skin Sensitization:

Irritating to the respiratory tract.

Carcinogenicity:

No data available

Reproductive toxicity:

No data available

Specific Target Organ Toxicity - Repeated Exposure:

Prolonged or repeated contact may result in damage to CNS, liver and kidneys.

Aspiration hazard:

May be harmful if swallowed and enters airways

Specific Target Organ Toxicity - Single Exposure:

May cause drowsiness or dizziness

0000067-64-1	ACETONE
0000111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER
0000123-86-4	BUTYL ACETATE
0000071-43-2	BENZENE

Potential Health Effects - Miscellaneous

0000067-64-1 ACETONE

The following medical conditions may be aggravated by exposure: lung disease, eye disorders, skin disorders. Overexposure may cause damage to any of the following organs/systems: blood, central nervous system, eyes, kidneys, liver, respiratory system, skin.

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER

Can be absorbed through the skin in harmful amounts. May cause injury to the kidneys, liver, blood and/or bone marrow. Repeated overexposure may result in damage to the blood. Eye contact may cause corneal injury. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

0000123-86-4 BUTYL ACETATE

May cause abnormal liver function. The following medical conditions may be aggravated by exposure: respiratory system. Tests for embryotoxic activity in animals has been inconclusive. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

SECTION 12) ECOLOGICAL INFORMATION

Toxicity:

There is no data for the product itself.

May be harmful to aquatic life.

Harmful to aquatic life

Mobility in Soil:

No data available.

Other adverse effects:

No data available.

Bio-accumulative Potential

0000067-64-1 ACETONE

Does not bioaccumulate

Persistence and Degradability

0000067-64-1 ACETONE

91% readily biodegradable, Method: OECD Test Guideline 301B

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information:

UN1993, Flammable Liquid, N.O.S. (Acetone, N-Butyl Acetate) 3, PG II

Emergency Response Guide (ERG):

Emergency Response Guide 128

SECTION 15) REGULATORY INFORMATION

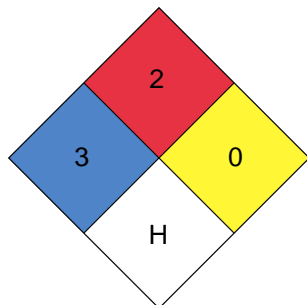
CAS	Chemical Name	% By Weight	Regulation List
0000123-86-4	BUTYL ACETATE	42.8% - 54.7%	SARA312,VOC,TSCA,ACGIH,OSHA
0000067-64-1	ACETONE	41.9% - 53.5%	SARA312,TSCA,ACGIH,OSHA
0000111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	5.3% - 6.8%	SARA312,SARA313,VOC,TSCA,CA_TAC_TOX,CA_TAC_Carcinogen,ACGIH,OSHA, OSHA Skin designation
0000071-43-2	BENZENE	0 - 0.001 %	SARA312,SARA313,VOC,Carcinogen,TSCA, OSHA Carcinogen,CA_TAC_TOX,CA_TAC_Carcinogen,CA_Carcinogen,ACGIH,CA_Prop65 - California Proposition 65,CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer,CA_Prop65_Type_Toxicity_Develop - CA_Proposition65_Type_Toxicity_Developmental,CA_Prop65_Type_Toxicity_Male - CA_Proposition65_Type_Toxicity_Male,OSHA

SECTION 16) OTHER INFORMATION

General:

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HMIS



Chronic :

Version 1.1:

Revision Date: Oct 14, 2015

Change in Section 8-Respiratory

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