

Issue Date: 20-Mar-2015

Revision Date: 18-Jul-2019

Version 2

1. IDENTIFICATION

Product Identifier

Product Name LAYOUT INK REMOVER (AERO)

Other means of identification

SDS #

ITEM# G-5009-16

Recommended use of the chemical and restrictions on use

Recommended Use Cleaning and degreasing. Ink removing agent.

Details of the supplier of the safety data sheet

Supplier Address Ashburn Chemical Technologies
7403 Wright Rd
Houston, TX 77041

Emergency Telephone Number

Company Phone Number 832-399-1000
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Flammable liquid	Category 2
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Flammable Aerosols	Category 1
Gases Under Pressure	liquefied gas

Signal Word

Danger

Hazard Statements

H225 Highly flammable liquid and vapor
H315 Causes skin irritation
H320 Causes serious eye irritation
H220 Extremely flammable aerosol
H280 Contains gas under pressure; may explode if heated
H411 Toxic to aquatic life with long-lasting effects



Precautionary Statements - Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash face, hands and any exposed skin thoroughly after handling
P211 Do not spray on an open flame or other ignition source
H229 Pressurized container: may burst if heated
P273 Avoid release to the environment.

Precautionary Statements - Response

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313 If eye irritation persists: Get medical advice/attention.
P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332+313 If skin irritation occurs: Get medical advice/attention.
P308+311 If exposed or concerned: Get medical advice/attention.
P320 Specific treatment (see this label).
P362 Take off contaminated clothing.
P391 Collect spillage.

Precautionary Statements - Storage

P403 Store in a well ventilated place
P405 Store locked up.

Precautionary Statements - Disposal

P501 Dispose of contents and container in accordance with local, state, and national regulations.

Other Hazards

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Acetone	67-64-1	50 - <100
L.P.G. (liquified petroleum gas)	68476-85-7	10 - <30
Ethanol	64-17-5	25 - <50
Isopropyl Alcohol	67-63-0	20 - <50
Glycol Ether DPM	34590-94-8	10 - <20
Propyl acetate	109-60-4	5 - <10

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**First Aid Measures****General Advice**

Get medical advice/attention.

Eye Contact

If in eyes, hold eyes open, flood with water for at least 15 minutes, remove contact lenses if present and easy to do. Continue rinsing. Get medical attention

Skin Contact

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell
Ingestion	Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.

Most important symptoms and effects

Symptoms	No data available
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Symptoms may be delayed.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Carbon dioxide or dry powder. Foam. Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

Unsuitable Extinguishing Media Do not use straight streams.

Specific Hazards Arising from the Chemical

Extremely flammable. Contains gas under pressure; may explode if heated. Pressurized container: Do not pierce or burn, even after use. Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations.

Hazardous Combustion Products No data available

Protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

Environmental Precautions Do not contaminate water sources or sewer.

Spill

Methods for Containment Prevent further leakage or spillage if safe to do so. Absorb or cover with dry earth, sand or other non-combustible material.

Methods for Clean-Up All equipment used when handling the product must be grounded. Eliminate all ignition sources if safe to do so. Absorb spillage with noncombustible, absorbent material.

Waste Disposal Dispose of in accordance with local, State and Federal regulations. Do not dump in sewers. Use sand or other non-combustible absorbent material to clean up spill and place in container for later disposal. Containers may contain hazardous residue.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling. Use only with adequate ventilation. Avoid breathing dust/fume/gas/mist/vapors/spray. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not puncture or incinerate cans. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not eat, drink or smoke when handling this product. Do not breathe vapors or spray mist.

Conditions for safe storage, including any incompatibilities

Storage Conditions

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

Incompatible Materials

Isolate from oxidizers, heat, sparks, electric equipment and open flame.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m ³	IDLH: 2500 ppm TWA: 250 ppm
L.P.G. (liquefied petroleum gas) 68476-85-7	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³	IDLH: 2000 ppm TWA: 1000 ppm
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³	IDLH: 3300 ppm TWA: 1000 ppm
Glycol Ether DPM 34590-94-8	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 600 mg/m ³	IDLH: 600 ppm TWA: 100 ppm STEL: 150 ppm
n-Propyl acetate 109-60-4	STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 840 mg/m ³	IDLH: 1700 ppm TWA: 200 ppm STEL: 250 ppm
Isopropyl Alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm STEL: 500 ppm

Appropriate engineering controls

Engineering Controls

Adequate ventilation should be provided so that exposure limits are not exceeded.

Individual protection measures, such as personal protective equipment

General Information

Provide easy access to water supply and eye wash facilities. Use personal protective equipment as required. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Eye/Face Protection

Wear safety glasses with side shields (or goggles).

Skin and Body Protection

Chemical resistant gloves and clothing

Respiratory Protection

In case of inadequate ventilation use suitable respirator. Refer to 29 CFR 1910.134 for respiratory protection requirements.

Hygiene Measures

Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Avoid contact with eyes. When using do not smoke. Wash contaminated clothing before reuse. Avoid contact with skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Aerosol	Odor	Mild solvent
Appearance	Colorless, Clear liquid in an aerosol	Odor Threshold	Not determined
Color	Clear, Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	> 56 °C	
Flash Point	-18 °C	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Relative Density	0.804	
Water Solubility	Not determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content (%)	Not determined	

10. STABILITY AND REACTIVITY

Reactivity	No data available.
Chemical Stability	Material is stable under normal conditions.
Possibility of Hazardous Reactions	Stable
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	No data available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	No data available
Skin Contact	No data available

Inhalation No data available

Ingestion No data available

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg (Rat)	= 7,426 mg/kg (Guinea pig)	= 50,100 mg/m ³ (Rat) 8 h
Ethyl Alcohol 64-17-5	= 10,470 mg/kg (Rat)	= 15,800 mg/kg (Rabbit)	= 30,000 mg/L (Rat) 4 h
Isopropyl Alcohol 67-63-0	= 5,045 mg/kg (Rat)	= 12,800 mg/kg (Rabbit)	= 16,000 ppm (Rat) 8 h
Glycol Ether DPM 34590-94-8	> 5,000 mg/kg (Rat)	> 9,510 mg/kg (Rabbit)	-
Propyl acetate 109-60-4	= 9,370 mg/kg (Rat)	> 17,740 mg/kg (Rabbit)	= 32 mg/l (Rat) 4 h

Information on physical, chemical and toxicological effects

Symptoms No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity No carcinogenic components identified according to OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

STOT – single/repeated exposure No data available

Numerical measures of toxicity ATEmix: 18,000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity Harmful to aquatic life with long lasting effects.

Component Information No data available

Persistence/Degradability Not determined.

Bioaccumulation Not determined.

Mobility

Chemical Name	Partition Coefficient
Acetone 67-64-1	-0.24
L.P.G. (liquified petroleum gas) 68476-85-7	<=2.8
Ethyl Alcohol 64-17-5	-0.32
Isopropyl Alcohol 67-63-0	0.05

Other Adverse Effects Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Dispose in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.
Contaminated Packaging	Since emptied containers retain product residue, follow label warnings even after container is emptied.

US EPA Waste Number

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Acetone 67-64-1		Included in waste stream: F039		U002

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Acetone 67-64-1	Ignitable
Ethyl Alcohol 64-17-5	Toxic Ignitable
n-Propyl acetate 109-60-4	Toxic Ignitable
Isopropyl Alcohol 67-63-0	Toxic Ignitable

14. TRANSPORT INFORMATION

DOT	Limited Quantity
UN/ID No	UN1950
Proper Shipping Name	Aerosols, flammable
Hazard Class	2.1

IATA	Limited Quantity
UN/ID No	UN1950
Proper Shipping Name	Aerosols, flammable
Hazard Class	2.1

IMDG	Limited Quantity
UN/ID No	UN1950
Proper Shipping Name	Aerosols, flammable
Hazard Class	2.1

15. REGULATORY INFORMATION**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Acetone	Present	X		Present		Present	X	Present	X	X
L.P.G. (liquified petroleum gas)	Present	X		Present			X	Present	X	X
Glycol Ether DPM	Present	X		Present		Present	X	Present	X	X
Ethyl Alcohol	Present	X		Present		Present	X	Present	X	X
n-Propyl acetate	Present	X		Present		Present	X	Present	X	X
Isopropyl Alcohol	Present	X		Present		Present	X	Present	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

*IECSC - China Inventory of Existing Chemical Substances**KECL - Korean Existing and Evaluated Chemical Substances**PICCS - Philippines Inventory of Chemicals and Chemical Substances**AICS - Australian Inventory of Chemical Substances***US Federal Regulations****CERCLA****Acetone** Reportable Quantity = 5,000 lbs**Ethanol** Reportable Quantity = 100 lbs**Isopropyl Alcohol** Reportable Quantity = 100 lbs**Propyl acetate** Reportable Quantity = 100 lbs**Glycol Ether DPM** Reportable Quantity = 500 lbs**SARA 311/312 Hazard Categories****Acute Health Hazard** Yes**Chronic Health Hazard** Yes**Fire Hazard** Yes**Sudden Release of Pressure Hazard** Yes**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical	RT for users	RT for manufacturing
Isopropyl Alcohol	10,000 lbs	25,000 lbs

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations**California Proposition 65**

This product contains does not contain any chemicals known to the state of California to cause cancer or reproductive harm.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Acetone 67-64-1	X	X	X
L.P.G. (liquified petroleum gas) 68476-85-7	X	X	X
Ethyl Alcohol 64-17-5	X	X	X
Glycol Ether DPM 34590-94-8	X	X	X
n-Propyl acetate 109-60-4	X	X	X
Isopropyl Alcohol 67-63-0	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	1	3	0	
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	
	1	3	0	

Issue Date: 20-Mar-2015
Revision Date: 18-Jul-2019
Revision Note: Updated SDS to match manufacturer/new formulation. DL

Disclaimer

The information provided in 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet