

SECTION 1: PRODUCT AND COMPANY INFORMATION

Product Name:	Val-Sol Layout Ink Remover
Supplier:	ValCool, LLC 5230 Brittmoore Rd Houston, TX77041
Telephone:	(800) 244-9004
Fax:	(888) 695-6449
Email:	support@valcool.com
In case of Emergency:	CHEMTREC 800-424-9300
Product Description	Layout Ink Remover

SECTION 2: HAZARD IDENTIFICATION

GHS Classification

Flammable aerosol – 1
Gas under pressure – Liquefied gas
Eye Damage/Irritation – 2A
Reproductive Toxin – 1A

GHS Label

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictogram



Signal word Danger

Hazard Statement Extremely flammable aerosol
Contains gas under pressure: may explode if heated
Causes serious eye irritation
May damage fertility or the unborn child

Precautionary statements

Prevention Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces – No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container – Do not pierce or burn, even after use.
Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Use personal protective equipment as required.



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Store locked up.
Protect from sunlight. Store in a well ventilated place.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Response IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
IF exposed or concerned: Get medical advice/attention.
IF eye irritation persists: Get medical advice/attention.

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

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization: Mixture

Description: Mixture of the substances listed below with nonhazardous additions.

Components/Ingredients	CAS No.	%
Acetone	67-64-1	56.50
Toluene	108-88-3	22.00
Propane	74-98-8	11.10
Butane	106-97-8	5.40
n-Butyl Alcohol	71-36-3	5.00

SECTION 4: FIRST AID MEASURES

Eye Contact Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.

Skin Contact Wipe off with a towel. Wash with soap and water. Get medical attention if irritation persists.

Ingestion Not a likely route of exposure.

Inhalation Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

Information for doctor:

Most important symptoms/effects, acute and delayed Repeated exposure may cause skin dryness or cracking. May cause drowsiness or dizziness.

Description of necessary first aid measures / specific treatments None Known.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media

Suitable extinguishing agents	Foam, Alcohol foam, CO2, Dry chemical, Water fog.
Unsuitable extinguishing agents	Water spray may be ineffective.
Special hazards arising from the substance or mixture	Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Liquid content of container will support combustion. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention. Hazardous decomposition products include carbon dioxide, carbon monoxide, and other toxic fumes.

Special Fire Fighting Instructions

Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. Wear goggles and use self-contained breathing apparatus. If water is used, fog nozzles are preferred.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures

Avoid breathing vapors. Ventilate area. Remove all sources of ignition.

Methods and materials for containment and cleaning up

Clean up with absorbent material and place in closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Handling

Precautions for safe handling	Do not puncture or incinerate (burn) cans. Do not stick pins, nails, or any other sharp objects into opening on top of can. Do not spray in eyes. Do not take internally. See product label for additional information.
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Storage

Methods and materials for containment and cleaning up	Clean up with absorbent material and place in closed containers for disposal.
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SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Additional information about design of technical systems - No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace

Acetone	67-64-1
OSHA	PEL-TWA: 750 ppm
ACGIH	TLV-TWA: 500 ppm
	TLV-STEL: 750 ppm
Toluene	108-88-3
OSHA	TWA: 200 ppm, 8 Hour
	CEIL: 300 ppm
	PEAK: 500 ppm, 10 Minutes
ACGIH	TWA: 20 ppm 8 Hour
Propane	74-98-6
OSHA	Not established
ACGIH	TWA: 1000 ppm
Butane	106-97-8
OSHA	Not established
ACHIG	TWA: 1000 ppm
n-Butylalcohol	71-36-3
OSHA	TWA: 100 ppm (Skin)
ACHIG	TWA: 50 ppm (Skin)

Appropriate engineering controls: Ventilation should be sufficient to prevent inhalation of any vapors. General dilution and/or local exhaust ventilation in volume to keep PEL/TLV of most hazardous ingredient below acceptable limit and Iel below stated limit.

Exposure controls

Personal protective equipment

Eye / Face Protection



None under normal use. However, use of safety glasses with splash guards or full face shield should be used if indicated.

Hand Protection



Protective Gloves

None under normal use. Use solvent-resistant for prolonged or repeated contact.

Respiratory Protection

None under normal use. Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination or particles and vapor. In confined areas, use an approved air-line respirator or hood. Self-contained breathing

apparatus is required for vapor concentrations above PEL/TLV limits.

Other protective clothing or equipment None under normal use. However, use of solvent-resistant aprons or other clothing is recommended. Eye washes and safety showers in the workplace are recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Aerosol product
Vapor Pressure	Not determine
Vapor Density	Heavier than air
Density	Not determined
Freezing Point	Not determined
Boiling Point	Slower than ether
Evaporation Rate	Slower than ether
Explosive Limits	Not applicable
Decomposition Temperature	Not determined
Partition Coefficient	Not determined
Odor	Solvent
Odor Threshold	Not determined
pH	Not applicable
Melting Point	Not determined
Solubility	Not determined
Flash Point	Not determined
Flammability	Level 2 Aerosol
Autoignition Temperature	Not determined
Viscosity	Not determined

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions of use.
Chemical Stability	Stable under normal storage and handling conditions.
Possibility of hazardous reactions	Not known.



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Incompatibility with other Materials Acids, Bases, Strong oxidizing agents

Hazardous decomposition materials Carbon dioxide, carbon monoxide, and other toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Long-term toxicological studies have not been conducted for this product.

SECTION 12: ECOLOGICAL INFORMATION

Long-term ecological studies have not been conducted for this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations. Before attempting clean up, refer to other sections of this document for hazard cautionary information.

SECTION 14: TRANSPORT INFORMATION

By Land: DOT Proper Shipping Name: None required per 49 CFR 173.306 (i) for products that conform to the Limited Quantity provisions. Commodity shipping description: Cleaning Compound, NOI.

By Water: DOT & IMDG Proper Shipping Name: UN1950, Aerosols, 2.1, LTD QTY.

By Air: DOT & IATA Proper Shipping Name: UN1950, Aerosols, flammable, 2.1, LTD QTY (packing instruction Y203 applies)

SECTION 15: REGULATORY INFORMATION

All ingredients are either listed on the TSCA inventory or are exempt.

SECTION 16: OTHER INFORMATION

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Abbreviations and acronyms:

DOT: US Department of Transportation

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances



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CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Skin Sens. 1B: Sensitization - Skin, Hazard Category 1B

HMIS:

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