

**SECTION 1 — PRODUCT IDENTIFICATION**

**Product identifier:** Alba Dry Cleaning Fluid (formally called California Gold)

**Product Codes(s):** ALB1401, ALB4416, ALB4432

**Recommended use of the chemical and restrictions on use:** Spot remover for textiles.

**Supplier's name and address:**

MERROW / SUPERIOR

502 Bedford Street, Fall River, MA 02720

T: (212) 619-5900

**Emergency Telephone #:** Spill, leak, fire, exposure or accident – Call CHEMTREC – Day or Night 1-800-424-9300 or 1-703-527-3887 (USA & Canada)  
01-800-681-9531 (Mexico)

This MSDS complies with 29CFR 19190.1200 (Hazard Communication Standard) and WHMIS regulations.

**IMPORTANT:** Read this MSDS before handling and disposing of this product. Pass this information on to employees, customers, and users of this product.

**SECTION 2 — HAZARDS IDENTIFICATION****CLASSIFICATION:**

Flammable Liquids: Category 4

Reproductive toxicity (fertility): Category 2

Skin corrosion/irritation: Category 3

Serious eye damage/eye irritation: Category 2B

**SIGNAL WORD: WARNING!**

**LABEL PICTOGRAM:****HAZARD STATEMENTS:**

H227 Combustible Liquid  
H316 Causes Mild Skin Irritation  
H320 Causes Eye Irritation  
H361 Suspected of Damaging Fertility or the unborn child.

**PRECAUTIONARY STATEMENTS:**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. –No smoking.  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**RESPONSE:**

- P308+313 If exposed or concerned: Call a POISON CENTER/doctor. Get medical advice/attention.  
 P370+P378 In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish.  
 P332+P313: If skin irritation occurs: Get medical advice/attention.  
 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 persist get medical advice/attention.

**STORAGE/DISPOSAL:**

- P403+235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.  
 P501 Dispose of contents and container in accordance with local regulation.

**Hazard(s) not otherwise classified (HNOC):** None known.

**Supplemental information:** None

<b>SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS</b>
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<u>Chemical name</u>	<u>CAS #</u>	<u>Concentration</u>
Cyclopolydimethylsiloxane	69430-24-6	90.0 – 100.0
1,2-trans-Dichloroethylene	156-60-5	1.0 – 5.0
1,1,2,2-Tetrafluoroethyl-2,2,2-Trifluoroethyl ether	406-78-0	0.5 – 1.0

<b>SECTION 4 — FIRST AID MEASURES</b>
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**Description of first aid measures**

*Ingestion:* Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. When symptoms persist or in all cases of doubt seek medical advice.

*Inhalation:* If breathed in, move person to fresh air. If breathing is irregular or stopped, administer artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. When symptoms persist or in all cases of doubt seek medical advice.

*Skin Contact:* Remove/Take off immediately all contaminated clothing. Wash off immediately with soap and plenty of water. When symptoms persist or in all cases of doubt seek medical advice. Wash contaminated clothing before re-use.

*Eye Contact:* If in eyes, rinse with water for 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call a physician or poison control centre immediately.

**Indication of any immediate medical attention and special treatment needed:**

May cause eye and skin irritation. Symptoms may include stinging and tearing. Symptoms may include redness, itching and swelling. May cause central nervous system depression. Symptoms may include nausea, vomiting, dizziness, drowsiness and other symptoms of central nervous system depression. May cause respiratory irritation. Symptoms may include sore throat, running nose and shortness of breath.

<b>SECTION 5 — FIRE FIGHTING MEASURES</b>
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**Extinguishing media:** Water; Carbon dioxide (CO2); Dry chemical; Alcohol-resistant foam.

*Unsuitable extinguishing media:* Water jet or stream is unsuitable.

**Special hazards arising from the substance or mixture / Conditions of flammability:**

Combustible liquid and vapour. Vapours are heavier than air and collect in confined and low-lying areas. Toxic fumes, gases or vapours may evolve on burning.

**Flammability classification (OSHA 29 CFR 1910.106):** Flammable liquid – Category 4

**Explosion Data: Sensitivity to Mechanical Impact / Static Discharge:**

Not expected to be sensitive to mechanical impact or static discharge.

**Hazardous combustion products:** Carbon oxides, silicon oxides.

Closed containers may explode if exposed to extreme heat.

**Special protective equipment and precautions for firefighters**

*Protective equipment for fire-fighters:*

*Special fire-fighting procedures:* Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Refer to Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION, for additional information on acceptable person protective equipment.

**Environmental precautions:** Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply

**Methods and material for containment and cleaning up:**

Eliminate all ignition sources if safe to do so. Stop spill or leak at source if safely possible. Dike for water control. Absorb material with inert absorbent, and place into labelled containers for disposal. Keep in properly labelled containers. Wash area thoroughly with a detergent solution and rinse well with water. Refer to Section 13 for disposal of contaminated material.

**Special spill response procedures:**

If a spill/release in excess of the EPA reportable quantity is made into the environment immediately notify the National response center in the United States (1-800-424-8802).

## SECTION 7 — HANDLING AND STORAGE

**Precautions for safe handling:**

Keep away from flames and hot surfaces. – No smoking. Avoid breathing vapours or mists. Use only in well-ventilated areas. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes and clothing. Keep away from heat. Keep container tightly closed. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Wash thoroughly after handling.

**Conditions for safe storage:**

Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Inspect periodically for damage or leaks. Protect against physical damage. Keep containers dry and tightly closed to avoid moisture absorption and contamination.

**Incompatible materials:** Oxidizing agents; Strong acids.

## SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits:**

Chemical Name	ACGIH TLV		OSHA TLV	
	TWA: N/Av	STEL: N/Av	PEL: N/Av	STEL: N/Av
Cyclopolydimethylsiloxane	TWA: 200 ppm	STEL: N/Av	PEL: N/Av	STEL: N/Av
1,2-trans-Dichloroethylene	EPA 8hr TWA 75 ppm	EPA-CEILING 150 ppm	PEL: N/Av	STEL: N/Av

**Exposure controls:****Ventilation and engineering measures:**

Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

**Respiratory protection:**

In the case of vapour formation use a respirator with an approved filter. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

**Skin protection:**

Impervious gloves must be worn when using this product. Advice should be sought from glove suppliers.

**Eye / face protection:** Safety glasses with side shields should be used with this product.

**General hygiene considerations:**

Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Avoid breathing vapours or mists.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear
<b>Odor</b>	Mild Solvent
<b>Odor threshold</b>	Not Available
<b>pH (Neutrality):</b>	Not applicable
<b>Melting point/Freezing point:</b>	17.5°C
<b>Initial Boiling range</b>	175°C
<b>Flash point (Test Method)</b>	> 77°C / > 170°F (TCC)
<b>Flashpoint (Method)</b>	ASTM D56
<b>Evaporation Rate (n-Butyl acetate=1)</b>	> 1
<b>Flammability (solid, gas)</b>	N/Av
<b>Lower flammable limit (% by vol):</b>	N/Av
<b>Upper flammable limit (% by vol):</b>	N/Av
<b>Oxidizing properties:</b>	None known
<b>Vapour pressure (mm of hg) @20 C</b>	.75
<b>Vapour density (Air=1)</b>	N/Av
<b>Relative Density Specific Gravity</b>	> .95
<b>Solubility in water</b>	Insoluble
<b>Other solubility(ies)</b>	None known
<b>Partition coefficient (n-Octane/water)</b>	N/Av
<b>Auto ignition temperature</b>	N/Av
<b>Decomposition temperature</b>	N/Av
<b>Volatile organic compounds (VOC's)</b>	
<b>Total Voc's (TVOC)*</b>	100.0%
<b>None Exempt Voc's (CVOC)*</b>	3%
<b>Hazardous air pollutants (HAPS)</b>	0.0 wt% / 0.0 g/l / 0.00 lbs/gal
<b>Non-exempt voc partial pressure (mm of hg @ 20 C)</b>	44.8 kPa (336 mm Hg) (25°C)
<b>Absolute pressue of container</b>	N/Av
<b>Flame projection length</b>	N/Av
<b>Other physical/chemical comments</b>	None known

\*Using California South Coast Air Quality Management District (SCAQMD) rule 443.1

## SECTION 10 — REACTIVITY AND STABILITY DATA

- Reactivity:** Stable under the recommended storage and handling conditions prescribed.
- Chemical Stability:** Stable under the recommended storage and handling conditions prescribed.
- Possibility of hazardous reactions:** Hazardous polymerization will not occur. No dangerous reactions known under normal use.
- Conditions to avoid:** Avoid contact with incompatible materials. Direct sources of heat.
- Incompatible Materials:** Oxidizing agents; Strong acids.
- Hazardous decomposition products:** None known, refer to hazardous combustion products in Section 5.

## SECTION 11 — TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

- Routes of entry inhalation:** Yes
- Routes of entry skin & eyes:** Yes
- Routes of entry Ingestion:** Yes
- Routes of exposure skin absorption:** No

### Potential Health Effects:

#### **Signs and symptoms of short-term (acute) exposure**

- Sign and symptoms Inhalation:* Inhalation may cause headache, nausea and central nervous effects such as dizziness, coordination difficulties and unconsciousness.
- Sign and symptoms ingestion:* Ingestion may cause irritation to mucous membranes. May cause nausea, vomiting and diarrhea.
- Sign and symptoms skin:* May cause skin irritation. Symptoms may include redness, itching and swelling.
- Sign and symptoms eyes:* May cause eye irritation. Symptoms may include tearing, redness and discomfort.
- Potential Chronic Health Effects:** Possible irritation and dermatitis (rash), characterized by red, dry, itching skin.
- Mutagenicity:** Contains no ingredient listed as a mutagen.
- Carcinogenicity:** No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP. Not expected to have carcinogenic effects.
- Sensitization to material:** Not expected to be a skin or respiratory sensitizer.
- Specific target organ effects:** Eyes, skin, respiratory system and digestive system. The substance or mixture is not classified as specific target organ toxicant, single exposure.
- Irritancy:** May cause eye, skin and respiratory tract irritation.
- Medical conditions aggravated by overexposure:** Pre-existing skin, eye and respiratory disorders.

#### **Toxicological data:**

<u>Chemical Name</u>	<u>LC<sub>50</sub>(4hr) inh, rat</u>	<u>LD<sub>50</sub> (Oral,rat)</u>	<u>LD<sub>50</sub> (Rabbit, dermal)</u>
Cyclopolydimethylsiloxane	>5 mg/L	>16 mL/kg	>16 mL/kg
1,2-trans-Dichloroethylene	24100 ppm (6.05mg/L)	7900 mg/kg	>5000 mg/kg
1,1,1,1-Tetrafluoroethyl-2,2,2-trifluoroethyl ether	3,020 ppm (24.8 mg/L)	>2,000 mg/kg	Rat: >2,000 mg/kg

**Other important toxicological hazards:** None known or reported by the manufacturer.

## SECTION 12 — ECOLOGICAL INFORMATION

- Ecotoxicity:** No data is available on the product itself. The product should not be allowed to enter drains or water course, or be deposited where it can effect ground or surface waters.

#### **Ecotoxicity data:**

<u>Ingredients</u>	CAS No.	<u>Toxicity to Fish</u>		
		LC <sub>50</sub> / 96h	NOEC / 21 day	M Factor
1,2-trans-Dichloroethylene	156-60-5	74 mg/L (Bluegill sunfish)	N/Av	None




Ingredients	CAS No.	Toxicity to Daphnia		
		EC <sub>50</sub> / 48h	NOEC / 21 day	M Factor
1,2-trans-Dichloroethylene	156-60-5	79 mg/L (Water flea)	N/Av	None
Ingredients	CAS No.	Toxicity to Algae		
		EC <sub>50</sub> / 96h or 72h	NOEC/96h or 72h	M Factor
1,2-trans-Dichloroethylene	156-60-5	712 (Green algae) mg/L	N/Av	None

**Persistence and degradability:** The product itself has not been tested.  
**Bioaccumulation potential:** The product itself has not been tested.  
**Mobility in soil:** The product itself has not been tested.  
**Other Adverse Environmental effects:** None known.

## SECTION 13 — DISPOSAL CONSIDERATIONS

**Handling for Disposal** Handle waste according to recommendations in Section 7.  
**Methods of Disposal** Dispose in accordance with all applicable federal, state, provincial and local regulations.  
**RCRA** If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

## SECTION 14 — TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	not regulated	none	
<b>49CFR/DOT Additional information</b>	Not regulated for road or rail shipment if packaged in non-bulk containers (450 L / 119 Gallons or less each).				
TDG	None	Not regulated.	Not regulated	none	
<b>TDG Additional information</b>	None.				
ICAO/IATA	None	Not regulated.	Not regulated	none	
<b>ICAO/IATA Additional information</b>	None.				

**Special precautions for user :**

**Environmental hazards** : See ECOLOGICAL INFORMATION, Section 12.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

## SECTION 15 — REGULATORY INFORMATION

**US Federal Information:** Components listed below are present on the following U.S. Federal chemicals lists:

Ingredients	CAS #	TSCA Inventory	CERCLA Reportable Quantity	SARA TITLE III: Sec. 302 Extremely	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical

			<b>(RQ) (40CFR 117.32):</b>	<b>Hazardous Substance, 40 CFR 355:</b>	Toxic Chemical	De minimus Concentration
Cyclopolydimethylsiloxane	69430-24-6	Yes	N/Ap	N/Av	No	N/Ap
1,2-trans-Dichloroethylene	156-60-5	Yes	1000 lb / 454 kg	N/Av	No	N/Ap
1,1,2,2-Tetrafluoroethyl-2,2,2-Trifluoroethyl ether	406-78-0	Yes	N/Ap	N/Av	No	N/Ap

CER Reportable Quantity (RQ) (40 CFR 117.302): See Section 6

SARA TITLE III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present in this material.

SARA TITLE III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: Immediate (Acute) health hazard; Chronic Health hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

### **US State Right to Know Laws:**

The following chemicals are specifically listed by individual States:

Ingredients	CAS #	California Prop 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Cyclopolydimethylsiloxane	69430-24-6	No	N/Ap	No	No	No	No	No	No
1,2-trans-Dichloroethylene	156-60-5	No	N/Ap	Yes	Yes	No	No	Yes	No
1,1,2,2-Tetrafluoroethyl-2,2,2-Trifluoroethyl ether	406-78-0	No	N/Ap	No	No	No	No	No	No

### **International Information:**

Components listed below are present on the following international inventory list:

Ingredients	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	New Zealand IOC
Cyclopolydimethylsiloxane	69430-24-6	N/Av	Present	Present	(7)-475	KE-09325	Present	HSR003615
1,2-trans-Dichloroethylene	156-60-5	205-860-2	Present	Present	(2)-103	KE-10123	Present	HSR001122
1,1,2,2-Tetrafluoroethyl-2,2,2-Trifluoroethyl ether	406-89-0	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av

## SECTION 16 — OTHER INFORMATION

### **Legend:**

ACGIH: American Conference of Governmental Industrial Hygienists CA: California  
 CAS: Chemical Abstract Services  
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
 CFR: Code of Federal Regulations DOT: Department of Transportation EPA:  
 Environmental Protection Agency  
 HMIS: Hazardous Materials Identification System HSDB: Hazardous Substances Data Bank  
 IARC: International Agency for Research on Cancer Inh: Inhalation  
 N/Ap: Not Applicable N/Av: Not Available  
 NFPA: National Fire Protection Association  
 NIOSH: National Institute of Occupational Safety and Health NTP: National Toxicology Program  
 OSHA: Occupational Safety and Health Administration PEL: Permissible exposure limit  
 RCRA: Resource Conservation and Recovery Act RTECS: Registry of Toxic Effects of Chemical Substances  
 SARA: Superfund Amendments and Reauthorization Act STEL: Short Term Exposure Limit  
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations TLV: Threshold Limit Values  
 TPQ: Threshold Planning Quantity TSCA: Toxic Substance Control Act TWA: Time Weighted Average  
 WHMIS: Workplace Hazardous Materials Identification System

### **References:**

1. Material Safety Data Sheet from manufacturer.
2. Canadian Centre for Occupational Health and Safety, CCIInfoWeb Databases, 2015 (Chempendium, RTECs, HSDB, INCHEM).
3. European Chemicals Agency, Classification Legislation, 2015.
4. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015.

**Other special considering for handling:****HMIS HAZARD RATINGS:**

HEALTH: 1      FLAMMABILITY: 2      PHYSICAL HAZARD: 0      PERSONAL PROTECTION: B

**HAZARD RATING KEY:**

4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant, \* = Chronic Health Hazard.

B = Safety Glasses &amp; Gloves - Personal Protection Rating to be supplied by user based on use conditions.

This information is intended solely for the use of individuals trained in the HMIS hazard

Rating systems.

**NFPA RATING:**

HEALTH: 1      FLAMMABILITY: 2      INSTABILITY: 0      SPECIAL HAZARDS:

**NFPA HAZARD KEY:** 0 = Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe.**NOTICE**

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.

Conditions of use are beyond our control, and therefore, users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

Unless updated, the Safety Data Sheet is valid until 03/16/2025.

**Prepared for:** Albatross USA Inc.**Telephone number:** 718-392-6272**Preparation Date:** February 7, 2015**Revision Date:** December 20, 2022**Reason for revision:** 1) Product name change. Formally called EverBlum California Gold Cleaning Fluid