



SAFETY DATA SHEET

SECTION 1 — IDENTIFICATION

Product identifier: Alba-Remove
Product Number: 1232, 1233
Recommended Use: Adhesive Remover
Recommended restrictions: None known

ALBATROSS USA INC./EXPERT WORLDWIDE

36-41 36th Street
Long Island City, New York
United States
11106
718-392-6272

5439 San Fernando Road West
Los Angeles, California
United States
90039
818-543-5850

Emergency Telephone #: Chemtrec (Day or Night) 800-424-9300
(For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident)
This MSDS complies with 29CFR 1919.1200 (Hazard Communication Standard) and WHMIS regulations.

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

SECTION 2 — HAZARD(S) IDENTIFICATION

Aspiration Toxicity, Category 1
Combustible Liquid, Category 4



Signal Word: Danger

Hazard Statement:

Combustible Liquid. Causes skin irritation. Causes serious eye damage. Toxic to aquatic life. Harmful to aquatic life with long last effects.

Precaution Statements:

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Wear eye/face protection. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves.

Response:

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage:

Store away from incompatible materials. Store in a well-ventilated place. Keep cool

Disposal:

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

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

Hazard Rating System:

HEALTH: 1

FLAMMABILITY: 2

PHYSICAL HAZARD: 0

PERSONAL PROTECTION: X

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration
Dipropylene glycol methyl ether acetate	88917-22-0	> 80% (wt.)
Alcohols, C9-11, ethoxylated	68439-46-3	< 20% (wt.)

SECTION 4 — FIRST AID MEASURES

Emergency and First Aid Procedures:

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Skin Contact: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately. If effects occur, consult a physician, preferably an ophthalmologist.

Ingestion: Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting with advice from poison control center.

SECTION 5 — FIRE FIGHTING MEASURES

NFPA Class III

Flash Pt: > 174F

Suitable Extinguishing Media: Use carbon dioxide, dry chemical powder, or foam.

Fire Fighting Instructions: Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame. Fire Fighting Instructions: Flammable Properties and No data available. Hazards: Auto-ignition Pt: No data. Explosive Limits: LEL: 1.18 UEL: 17 Suitable Extinguishing Media: Use carbon dioxide, dry chemical powder, or foam.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Clean-up: Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources, keep flares, smoking or flames out of hazard area. Small spills: Take up the spilled liquid with sand, earth, or other noncombustible absorbent material and place in a plastic container where applicable. Large spills: Dike far ahead of spill for later disposal.

SECTION 7 — HANDLING AND STORAGE**Precautions to be taken in Storing:**

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container. Precautions to be taken in Handling: Keep container tightly closed when not in use- Store in a cool and dry place. Do not store near flames or at elevated temperatures

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits: No exposure limited noted for ingredients.
Other Limits: No data.

Engineering Controls:

Use local exhaust ventilation, or other engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Respiratory Equipment

For OSHA controlled work place and other regular users. Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors. A dust mask does not provide protection against vapors. Respiratory Equipment (Specify Type): Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals. Eye Protection: Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product. Protective Gloves: Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. Before reuse, thoroughly Other Protective Clothing: Clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes. Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only with a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea, or eye-watering -- Stop -- ventilation is inadequate. Leave area immediately. Engineering Controls (Ventilation etc.): A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use. Work/Hygienic/Maintenance Practices

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Colorless to light yellow liquid
Odor:	Sweet solvent odor
Melting Point:	No data.
Boiling Point:	360.00 F - 374.00 F
Auto-ignition Pt:	No data.
Flash Point:	> 174 F
Explosion Limits:	LEL: 1.18% UEL: 17%
Specific Gravity (Water = 1):	0.97
Vapor Pressure (vs. Air or mm Hg):	10mmHg.
Vapor Density (vs. Air = 1):	5.9 @70F Air = 1
Evaporation Rate:	No data.
Solubility in Water:	Partial (85%)
Solubility Notes:	Partially soluble in cold water

SECTION 10 — STABILITY AND REACTIVITY

Reactivity:	This product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
Conditions to avoid:	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Under decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Decomposition products depend upon temperature, air supply and the presence of other materials.

SECTION 11 — TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation:	Prolonged inhalation may be harmful.
Skin Contact:	Causes skin irritation.
Eye Contact:	Causes serious eye damage
Ingestion:	Expect to be a low ingestion hazard.

Acute toxicity:

Acute oral toxicity:

Dipropylene Glycol Methyl Ether Acetate

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

LD50, Rat, > 5,000 mg/kg

Alcohols, C9-11, ethoxylated

LD50, Rat, > 2,000 mg/kg

Acute dermal toxicity:

Dipropylene Glycol Methyl Ether Acetate

Prolonged skin contact with very large amounts may cause dizziness or drowsiness.

LD50, Rat, > 2,000 mg/kg. No deaths occurred at this concentration.

Alcohols, C9-11, ethoxylated

LD50 Rabbit, > 2,000 mg/kg

Dipropylene Glycol Methyl Ether Acetate**Acute inhalation toxicity**

No adverse effects are anticipated from single exposure to vapor. Based on the available data, narcotic effects were not observed. Based on the available data, respiratory irritation was not observed.

LC50, Rat, 4 Hour, vapour, > 5.7 mg/l. the LC 50 value is greater than the Maximum Attainable Concentration. No deaths occurred at this concentration.

Skin corrosion/irritation

Prolonged exposure not likely to cause significant skin irritation.

Corneal injury is unlikely.

Sensitization

Did not cause allergic skin reactions when tested in guinea pigs.

For respiratory sensitization:

No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Specific Target Organ Systemic Toxicity (Repeated Exposure)

Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

Carcinogenically

No specific, relevant data available for assessment.

Teratogenicity

No relevant data found.

Reproductive toxicity

No specific, relevant data available for assessment.

Mutagenicity

In vitro genetic toxicity studies were negative.

Aspiration Hazard

Based on physical properties, not likely to be an aspiration hazard.

Alcohols, C9-11, ethoxylated**Respiratory or skin sensitization**

Respiratory sensitization Not available

Skin sensitization This product is not expected to cause skin sensitization

Germ cell mutagenicity No data available to indicate product or any components present at

	greater than 0.1% are mutagenic or genotoxic
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA
IARC Monographs. Overall Evaluation of Carcinogenicity	
	Not listed
US. National Toxicology Program (NTP) Report on Carcinogens	
	Not listed
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
	Not regulated
Reproductive toxicity	This product is not expected to cause reproductive or developmental
	effects
Specific target organ toxicity – single exposure	Not applicable
Specific target organ toxicity - repeated exposure	Not applicable
Aspiration hazard	Not applicable

SECTION 12 — ECOLOGICAL INFORMATION

Dipropylene Glycol Methyl Ether Acetate

Toxicity

Acute toxicity to fish

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50>100mg/L in the most sensitive species tested.

LC50, Pimephales promelas (fathead minnow), static test, 96 Hour, 151 mg/l, OECD Test Guideline 203 or Equivalent

LC50, Oncorhynchus mykiss (rainbow trout), semi-static test, 96 Hour, 110.55 mg/l, OECD Test Guideline 203 or Equivalent

Acute toxicity to aquatic invertebrates

LC50, Daphne magna (Water flea), static test, 48 Hour, 2,701 mg/l, OECD Test Guideline 202 Or Equivalent

Acute toxicity to algae/aquatic plants

EC50, Pseudokirchneriella subcapitata (green algae), static test, 72 Hour, Growth rate Inhibition, > 1,000 mg/l, OECD Test Guideline 201 or Equivalent

Persistence and degradability

Biodegradability: Biodegradation under aerobic static laboratory conditions is high (BOD20 or BOD28/ThOD > 40%). Biodegradation rate may increase in soil and/or water with acclimation

10-day Window: Pass

Biodegradation: 84.4%

Exposure time: 28 d

Method: OECD Test Guideline 301D or Equivalent

Theoretical Oxygen Demand: 1.94 mg/mg

Biological oxygen demand (BOD)

Incubation Time	BOD
10 d	28%
20 d	61%
28 d	67%

Bioaccumulative potential

Bioaccumulation: Bioconcentration potential is low (BCF < 100 or Log Pow < 3).

Partition coefficient: n-octanol/water (log Pow): 0.61 OECD Test Guideline 107 or Equivalent

Mobility in soil

Potential for mobility in soil is very high (Koc between 0 and 50)

Partition coefficient(Koc): 2.27 Estimation by liquid chromatography

Alcohols, C9-11, ethoxylated

Ecotoxicity Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Aquatic*Acute*

Algae	EC50	Algae	10-100 mg/l, 72 hours
Crustacea	EC50	Daphnia	5-10 mg/l, 48 hours
Fish	LC50	Fish	5-10 mg/l, 96 hours

Persistence and degradability

Readily biodegradable

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential endocrine disruption, global warming potential) are expected from this component

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose in accordance with applicable local, state, and federal regulations

SECTION 14 — TRANSPORT INFORMATION**49 CFR Shipping Information:**

Not DOT regulated for domestic transport in containers with capacity less than 119 gallons (450 liters).

Proper Shipping Name:	NA 1993 Combustible liquid, n.o.s. (Contains: Dipropylene glycol methyl ether acetate).
Hazard Class:	3
Packing Group:	III

SECTION 15 — REGULATORY INFORMATION

OSHA Hazard Communications Standard:

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 19210.1200.

Superfund Amendments and Reauthorization Act. Of 1986 Title III (Emergency Planning and Community Right-to-know Act of 1986) Section 311 and 312

Fire Hazard

Immediate Hazard

Superfund Amendments and Reauthorization Act. Of 1986 Title III (Emergency Planning and Community Right-to-know Act of 1986) Section 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Pennsylvania Worker and Community Right-T-Know Act

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

California Proposition 65:

WARNING: This product can expose you to chemicals including ethylene glycol and acetaldehyde, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

SECTION 16 — OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Additional Information: No data available. This Product: The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

Prepared by: Albatross USA Inc.

Preparation Date: 05/23/18

Revision Date: 7-9-18