



MATERIAL SAFETY DATA SHEET

SECTION 1 — IDENTIFICATION

Product Name: ALBATROSS WISH ADHESIVE PALLET CLEANER
Product Number: 1101 & 1102
Chemical Name: Dipropylene glycol methyl ether acetate
CAS Number: 88917-22-0
Chemical Family: Aliphatic Propylene Glycol Ether Esters
Synonyms: 1-(2-Methoxy-Methyl-Ethoxy)-2-Propanol Acetate, DPM Acetate
Manufacturer's name and address: Refer to supplier
Supplier name and address:

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, CA
United States
90039
818-543-5850

Emergency Telephone #: Chemtrec (Day or Night) 800-424-9300
(For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident)

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

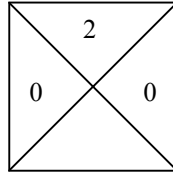
<u>Component Name</u>	<u>CAS #</u>	<u>EU Inventory Number:</u>	<u>Concentration by Wt./Mol%</u>		
			<u>Avg.</u>	<u>Min.</u>	<u>Max.</u>
Dipropylene Glycol Methyl Ether Acetate	88917-22-0	Not Assigned		99.0	

SECTION 3 — HAZARD IDENTIFICATION

Emergency Overview This material is NOT HAZARDOUS by OSHA Hazard Communication definition.

Signal Word: Caution.

Hazards: Combustible. May form peroxides in contact with air. However, there is no known evidence that it has nearly the peroxide forming potentials as, for example, diethyl ether, etc. Suspect eye irritant. Suspect skin irritant.

NFPA**HMIS®**

Health	1
Flammability	2
Reactivity	0

Physical State: Liquid.
Color: Clear, colorless.
Odor: Ester-like odor.

Potential Health Effects

Routes of Exposure: Eye Skin.

Signs and Symptoms of Acute exposure: See component summary.

Skin: Although no appropriate human or animal health effects data are known to exist, this material is expected to be a skin irritant. Not expected to be a skin absorption hazard.

Inhalation: Although no appropriate human or animal health effects data are known to exist, this material is not expected to be an inhalation hazard.

Eye: May cause eye irritation.

Ingestion: Although no appropriate human or animal health effects data are known to exist, this material is not expected to be an ingestion hazard.

Chronic Health Effects: See component summary.
 No known chronic health effects.

Conditions Aggravated by Exposure: This material or its emissions may aggravate pre-existing eye disease. Pre-existing skin disorders

SECTION 4 — FIRST AID MEASURES

General: If you feel unwell, seek medical advice (show the label where possible).

Inhalation: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain medical attention if breathing difficulty persists.

Eye: Immediately flush the eyes with large amounts of clean low-pressure water for at least 15 minutes, occasionally lifting the upper and lower lids. If pain or irritation persists, promptly obtain medical attention.

Skin: Remove contaminated clothing as needed. Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes. If sticky, use waterless cleaner first. Seek medical attention if ill effect or irritation develops.

Ingestion: If large quantity swallowed, give lukewarm water (pint/ ½ litre) if victim completely conscious/alert. Do not induce vomiting. Risk of damage to lungs exceeds poisoning risk. Obtain emergency medical attention.

**Physician's
Detoxification**

Procedures: Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5 — FIRE FIGHTING MEASURES

Flammability OSHA/NFPA Class IIIB combustible liquid.

Classification:

Flash point /

Method: ~86 °C (186 °F) (SETA)

Auto-Ignition

Temperature: No Data Available.

Flammable **LOWER:** No Data Available.

Limits: **UPPER:** No Data Available.

Hazardous

Combustion Carbon Monoxide and other toxic vapors.

Products:

Special When heated above the flash point, releases flammable vapors. Fine sprays/mists may be
Conditions combustible at temperatures below normal flash point. When mixed with air and exposed to ignition
To Avoid: source, vapors can burn in open or explode if confined. Vapors may be heavier than air. May travel long distances along the ground before igniting and flashing back to vapor source.

Extinguishing

Media: **Suitable:** SMALL FIRE: Use dry chemical, CO₂, water spray or regular foam. LARGE FIRE: Use water spray, water fog or regular foam. Do not use straight streams.

Unsuitable: No additional information available.

Fire Fighting **Protective Equipment/Clothing:** Wear positive pressure self-contained breathing apparatus
Instructions: (SCBA). Structural firefighters protective clothing will only provide limited protection.

INSTRUCTIONS: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Move containers from fire area if you can do it without risk. Cool containers with flooding quantities of water until well after fire is out. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Always stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let burn.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Release Eliminate all sources of ignition. All equipment used when handling this product must be
Response: grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and

transfer to containers. Use clean non-sparking tools to collect absorbed material. Dike large spills and place materials in salvage containers. Water spray may reduce vapor; but may not prevent ignition in closed spaces.

SECTION 7 — HANDLING AND STORAGE

- Handling:** It is recommended that any liquid product exposed to air not be highly concentrated by evaporation without first assuring that no peroxide is present. Alternately, positive steps should be taken to reduce any accumulated peroxides to a safe level before concentrating the liquid. Use only non-sparking tools. Properly ground containers before beginning transfer. Isolate, vent, drain, wash and purge systems or equipment before maintenance or repair. All equipment must conform to applicable electrical code. Handle empty containers with care. Extinguish all ignition sources. Check atmosphere for explosiveness and oxygen deficiencies. Flammable/combustible residue remains after emptying. Wear recommended personal protective equipment. Observe precautions pertaining to confined space entry.
- Storage:** Store only in tightly closed, properly vented containers away from heat, sparks, open flame and strong oxidizing agents. This product will absorb water if exposed to air. Storage under nitrogen atmosphere is recommended to minimize possible formation of highly reactive peroxides. Store in properly lined steel/stainless steel to avoid slight discoloration from mild steel/copper. Aluminum (5000 series alloys - U.S. Aluminum Association Standard) showed no corrosion after 30 days contact with Albatross WISH Adhesive Pallet Cleaner at 71° C (160° F). Some plastics/rubbers are attacked by Glycol Ethers/Ether Esters.

SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: No special ventilation is recommended under anticipated conditions of normal use beyond that needed for normal comfort control.

Personal Protection:

Inhalation: No occupational exposure limit(s) have been established for this material or its components. A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use.

Skin: Wear chemical resistant gloves such as: Nitrile. Butyl rubber. or Viton(TM). Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. The equipment must be cleaned thoroughly after each use.

Eye: Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapor.

Other Hygienic Practices: Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Recommended

Work Practices: Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing/wash thoroughly before reuse.

Occupational Exposure Limits:

<u>Component Name:</u>	<u>Source / Date</u>	<u>Value / Units</u>	<u>Type</u>	<u>Notation</u>	<u>Carcinogenic Listing*</u>
Dipropylene Glycol Methyl Ether Acetate	US (ACGIH) / 2001	N/L			N/L
	US (OSHA) / 2001	N/L			N/L

*1 = OSHA 2 = IARC 3 = NTP 4 = Others N/L = Not Listed

See Section 11 for mor information

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Specific

Gravity: ~ 0.97 (Water = 1.0 at 4° C (39.2° F)) **Vapor:** >6, @ (60 – 90 ° C/20 – 32 ° F), (Air = 1.0)

Boiling point: ~ 200° C/392° F, @ 760 mm Hg **pH:** Not Applicable

Vapor Pressure: < 5.17 mm Hg, @ (25° C/77° F) **Viscosity:** ~ 2 mPa.s, @ (25° C/77° F), (Brookfield)

Solubility: Solubility (Water):
Moderate (1 to less than 10 Percent)

Octanol/Water Partition Coefficient

In Kow: No Data Available

Melting/Freezing Point:

No Data Available

Dry Point: No Data Available

Evaporation Rate:

No Data Available

Other Physical & Chemical Properties:

Volatile Characteristics: Negligible: < 0.1% Additional properties may be listed in Sections 3 & 5.

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability:

This material is stable when properly handled and stored.

Conditions to Avoid: Heat, sparks, open flame, other ignition sources, and oxidizing conditions. Extended contact with air or oxygen.

Incompatability

With: Air or oxygen. Strong oxidizing agents. Strong acids. Strong bases. May react with oxygen to form peroxides. However, there is no known evidence that it has nearly the peroxide forming potential as, for example, diethyl ether, etc.

Decomposition

Products: Carbon Monoxide and other toxic vapors.

Hazardous

Polymerization: Not expected to occur.

Reactions**With Air and**

Water: May react with oxygen to form peroxides.

SECTION 11 — TOXICOLOGICAL INFORMATION

Product

Summary: No additional toxicology information is available for this material. (See Component Toxicity Information).

Component Summary:

Dipropylene Glycol Methyl Ether Acetate

SKIN EFFECTS: May be irritating to the skin.

EYE EFFECTS: May cause eye irritation.

Target Organ Effects: Eye. Skin.

Repeated Dose Toxicity: No known chronic health effects.

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity: No Data Available.

Environmental

Fate: It is soluble in water. It is not expected to adsorb onto soils or sediments.

Bio-

Accumulation: This material is not expected to bioaccumulate.

SECTION 13 — DISPOSAL CONSIDERATIONS

Contaminated product, soil, water, container residues and spill cleanup materials containing allyl alcohol are hazardous wastes. Comply with federal, state, and local regulations for disposal.

SECTION 14 — TRANSPORT INFORMATION

Special Not regulated by U.S. Department of Transportation (USDOT) when shipped in packages of

Requirements: 119 gallons or less.

Proper Shipping Name:

Combustible liquid, n.o.s. (glycol ether acetate) – U.S. only

UN/NA ID: NA1993 (North America only)

NAER

Guidebook: 128

Marine Pollutant: No

Labels: Combustible liquid.

DOT Hazard

Class: Combustible liquid., PG III

IMDG Hazard

Class: Not Regulated

ADR/VLG

Hazard Class: Not Regulated

ICAO/IATA

Hazard Class: Not Regulated

ADNR/VBG

Hazard Class: Not Regulated

RID/VSG

Hazard Class: Not Regulated

SECTION 15 — REGULATORY INFORMATION

Regulatory Advisory: No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA.

Regulatory Status: All components of this product are listed or are exempt from listing on the TSCA 8(b) inventory. If identified components of this product are listed under the TSCA 12(b) Export Notification rule, they will be listed below.

SARA – Section 313

Emissions Reporting: The material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels established by SARA Title III, Section 313 and 40 CFR 372.

Component Summary:

Reporting Threshold

SARA-Section 311/312: Based upon available information, this material is classified as the following health and/or physical hazards according to Section 311 & 312:

Fire Hazard

State Reporting:

- This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.
- Massachusetts Substances List (MSL) – Extraordinarily hazardous substances must be identified when present in materials at levels greater than state specified criterion. The criterion is $\geq 0.0001\%$. Hazardous Substances (MSL-HS) on the MSL must be identified when present in materials at greater than the state specified criterion. The criterion is $\geq 1\%$. Components with CAS numbers present in this material, at levels specified in Section 2 - Composition do not require reporting under the statute.

- Special Hazardous Substances (PA-SHS) must be identified when present in materials at levels greater than the state specified criterion. The criterion is $\geq 0.01\%$. Hazardous Substances (PA-HS) must be identified when present in materials at levels greater than the state specified criterion. The criterion is $\geq 1\%$. Environmental Hazards (PA-EH) must be identified when present in materials at levels greater than the state specified criterion. The criterion is $\geq 0.01\%$. Components with CAS numbers present in this material, at levels specified in Section 2 – Composition, do not require reporting under the statute.

SECTION 16 — OTHER INFORMATION

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