



MSDS Number: FS-00280
REVISION DATE: 12/4/2014

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Chemco Corporation
4920 NW 165th Street
Miami, FL, 33014

Telephone: 305-623-4445
Emergency Telephone: 1-800-535-5053

Product Name: **PRONAIL - MILKY BASE COAT**

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: MILKY OFF-WHITE COLOR

Hazard Identification:

This product is a flammable liquid. This product is classified as a hazardous substance and as a dangerous goods according to the classification criteria of NOHSC and ADG Code(Australia)

Potential Health Effects

Exposure Routes

Inhalation, skin absorption, skin contact, eye contact, ingestion

Eye Contact

Symptoms of overexposure may include redness, itching, irritation and watering.

Skin Contact

Skin may become irritated in some sensitive individuals, especially after prolonged and/or repeated contact.

Ingestion

If product is swallowed, may cause nausea, vomiting, and/or diarrhea and central nervous system depression.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. May cause a slight irritation to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing. Inhalation of vapors exceeding the levels listed in section 3 (composition and ingredient information) can cause central nervous system depression (e.g drowsiness, dizziness, headaches, nausea).



Symptoms

Signs and symptoms of overexposure to this material through the skin may include: redness, itching, and irritation and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering.

Acute Health Effects

Mild to moderate irritation to the eyes and skin near affected area. Additionally, high concentration of vapors can cause drowsiness, dizziness, headaches and nausea.

Chronic health effects

No chronic health effects are known, although symptoms and discomfort may occur for several days following overexposure.

Target Organs

Eyes, skin, and respiratory system.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name(s)	CAS #	EXPOSURE LIMITS IN AIR (mg/m ³)					
		ACGIH- PPM		OSHA PPM			other
		TWA	STEL	PEL	STEL	IDLH	
Butyl Acetate	123-86-4	150	NA	150	NA	NA	
Ethyl Acetate	141-78-6	400	NA	400	NA	NA	
Nitrocellulose	90004-70-0	400	NA	NA	NA	NA	
Isopropyl Alcohol	67-63-0	NA	NA	NA	NA	NA	

4. FIRST AID MEASURES

Eyes

If product is in eyes, flush with copious amount of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. If problem persists, consult a physician.

Skin

If redness, dryness or other signs of irritation to the skin develop, wash affected area with plenty of warm water and soap. If irritation continues, call a physician.

Ingestion

If product is ingested, do not induce vomiting. Drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer plenty of water or milk. Never give water or milk to an unconscious person. Contact the nearest poison control center or local emergency number. Provide an estimate of the time and amount of substance that was swallowed.

Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.



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5. FIRE-FIGHTING MEASURES

Flash Point: 24°F estimated

Lower Flammable Limit: 1.7

Upper Flammable Limit: 12.7

Auto ignition: 426°C

Suitable extinguishing media

HazChem Code: 3YE, Hazard Identification Number: 33, CO₂, dry chemical, foam

Unsuitable extinguishing media:

Water may be ineffective because of the low flash point of ethyl acetate.

Hazardous combustion products

Carbon dioxide and carbon monoxide

Precautions for fire-fighting

This product is a class IB flammable liquid. When involved in a fire, this product will ignite readily and decompose to produce carbon oxides. Vapors of this product are heavier than air and may travel to a source of ignition and flash back to leaking or open container. First responder should wear eye protection. Structural firefighters must wear SCBA's and full bunker gear. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product.

NFPA Flammable and Combustible Liquids Classification

Flammable liquid class IB

6. ACCIDENTAL RELEASE MEASURES

Spills

Before cleaning any spill or leave, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., <1gallon) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state, and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

For spills ≥1 gallon, deny entry to all unprotected individuals. Barrier and contain spill with inert material (e.g., sand or earth). Transfer product to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.



7. HANDLING AND STORAGE

Handling

Keep this material away from heat, sparks and open flame. Open containers slowly on a stable surface. Keep container closed tightly when not in use. Empty container may contain residual amounts of this product; therefore, empty containers should be handled with care.

Storage

Store containers in a cool, dry location, away from direct sunlight, and intense heat. Store away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

General Advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Ventilation & Engineering Controls

When working with large quantities of product, provide adequate ventilation. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

Exposure Control

Provide sufficient ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Eye protection

None needed under normal use. If necessary, splash or safety glasses may be worn.

Skin and body protection

None needed under normal use. If anticipated that prolonged & repeated skin contact will occur during use of product, wear latex or rubber gloves for routine industrial use.

Respiratory Protection

None needed under normal use. If necessary, use only respiratory protection that is authorized per U.S OSHA's requirements in 29 CFR §1910.134, or applicable U.S State regulations, or the appropriate standards of Canada, its provinces, E.C member states, or Australia.

General Hygiene Considerations

Wash skin after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Viscous Liquid
Form	No Data
Colour	Milky Off-White
Odour	Ester (Fruity) Odor
Boiling point/boiling range	171°F – 228°F
Melting point/range	NA
pH	NA
Evaporation rate	NA
Vapour pressure	NA
Vapour density	NA
Solubility	Insoluble

10. STABILITY AND REACTIVITY**Stability**

This product is stable under ambient conditions when stored properly (see section 7, storage and handling).

Conditions to avoid

Open flames, sparks, high heat and direct sunlight. This product is incompatible with strong oxidizer (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric or muriatic acids), strong bases (e.g., lye, potassium hydroxide)

Incompatible products

None known or reported.

Hazardous decomposition products

If exposed to extremely high temperatures, the products of thermal decomposition may include irritating vapors and carbon oxide gasses (e.g., CO, CO₂)

Hazardous Reactions

Hazardous polymerization may occur, if exposed too extremely high temperature.

11. TOXICOLOGICAL INFORMATION**Acute Effects****A: General Product information**

The product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product which are found in the scientific literature. This data has not been presented in this document.



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B: Component Analysis

Acute Toxicity

See section 2

Chronic Toxicity

See section 2

Reproductive Toxicity: This product contains Toluene, a substance known to the state of California to cause reproductive harm (California Proposition 65).

Carcinogenicity: This product contains Toluene and Isopropyl Alcohol, which are not carcinogenic to humans, but listed as Group 3 carcinogens by IARC

Mutagenicity: No reported to produce mutagenic effects on humans

Reproductive: No reported to produce mutagenic effects on humans

Embryotoxicity: No reported to produce mutagenic effects on humans

Irritancy of Product: See section 2

Biological exposure Indices: NA

Physician Recommendations: Treat symptomatically.

12. ECOLOGICAL INFORMATION

Environmental Stability

The components of this product will slowly degrade over time into a variety of organic compounds. Specific environmental data available for the components of this product are as follows:

Ethyl Acetate: Koc=0.73. Water solubility: 64,00 mg/l. Bioconcentration Factor= 4-14.

Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization, and biodegradation. This compounds half-life in water is 6.1 hours.

Butyl Actate: Koc= 1.82. Water solubility: 120 parts H2O @25°C. Bioconcentration factor= 4-14.

Bioconcentration is not anticipated being significant. This compound can be removed from contaminated environments from volatilization, and biodegradation. This compounds half-life in water is 6.1 hours.

Isopropyl Alcohol: Log Kow= 0.05-0.14.

Isopropyl alcohol occurs naturally; it's generated during microbial degradation of plant and animal wastes. When released on land or water, it is apt to volatilize and biodegrade. The estimated half-life in water is 5.4 days. Isopropyl alcohol is not expected to bioconcentrate.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with all applicable local, state and federal regulations.

Special considerations

U.S. EPA WASTE NUMBER: D001 (Characteristic- ignitable)

14. TRANSPORT INFORMATION

49 CFR (GND): Consumer Commodity, ORM-D (≤ 1.0 L) UN1263, PAINT, 3, II (> 1.0 L)
IATA (AIR): Consumer Commodity, 9,, ID8000 (≤ 0.5 L) UN1263, PAINT, 3, II, (> 0.5 L)
IMDG (OCN): UN1263, PAINT, 3, II, LTD QTY (≤ 1.0 L) UN 1263, PAINT, 3, II, (> 1.0 L)
TDGR (Canadian GND): Mark package "LIMITED QUANTITY" OR "QUANTITÉ LIMITÉE" OR "LTD QTY" OR "QUAT LTÉE" (≤ 1.0 L) UN1263, PAINT, 3, II, (> 1.0 L)
ADR/RID (EU): UN1263, PAINT, 3, II, ADR, LTD, QTY (≤ 1.0 L)
SCT (MEXICO): UN1263, PINTURA, 3, II, CANTIDAD LIMITADA (≤ 1.0 L)

15. REGULATORY INFORMATION

SARA Reporting Requirements:

SARA 304 (40 CFR Table 302.4) - butyl Acetate, Ethyl Acetate

SARA Threshold Planning Quantity

There is no specific Threshold planning Quantities for the components of this product.

TSCA Inventory Status

All chemical substances of this product are lists on the TSCA inventory or are otherwise exempted from inventory status.

Other Federal Requirements:

This product complies with the appropriate sections of the FDA's 21 CFR subchapter G (Cosmetics).

Other Canadian Regulations:

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substance Lists. Class B2 Flammable Liquid.



State Regulatory Information:

Ingredients in this mixture on found on the following state criteria lists:

California OSHA Hazardous Substance List	Butyl Acetate, Toluene, Ethyl Acetate, Isopropanol
California Proposition 65	Toluene
Delaware Air Quality Management List	Butyl Acetate, Toluene, Ethyl Acetate, Nitrocellulose, Camphor
Michigan Critical Substance List	Toluene
Minnesota Hazardous Substance List	Butyl Acetate, Toluene, Ethyl Acetate, Isopropanol, Camphor
New Jersey Right to Know Hazardous Substance List	Toulene, Isopropanol, Nitrocellulose
New York List of Hazardous Substances	Butyl Acetate, Toluene, Ethyl Acetate
Pennsylvania Hazardous Substance List	Butyl Acetate, Toluene, Ethyl Acetate, Isopropanol, Nitrocellulose, camphor



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Rhode Island Toxic Air Contaminants List Toluene

Washington Permissible Exposure Limits for Air Contaminants Butyl Acetate, Toluene, Ethyl Acetate, Isopropanol,
Wisconsin Hazardous Substances List Toluene, Ethyl Acetate

67/548/EEC (European Union) Requirements:

The primary component of this product is not listed in Annex I of EU Directive 67/548/EEC:

Ethyl Acetate: Flammable (F). R: 11-36/37/38 – Highly flammable. Irritating to eyes, respiratory system and skin. S: 2-16-23-29-33- Keep out of reach of children. Keep away from sources of ignition – no smoking. Do not breathe gas, fumes, vapor, or spray. Do not empty into drains. Take precautionary measures against static discharge.

Butyl Acetate: Flammable (F). R: Flammable. S: 9-16-33 – Keep container in a well-ventilated place. Keep away from sources of ignition- no smoking.

Toluene: Flammable, Harmful (F, Xn). R: 11-20-36/37– Highly flammable. Harmful by inhalation. Irritating to eyes and respiratory system. S: 2-7-16-24/25/26 – keep out of reach of children. Keep container tightly closed. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Do not empty into drains. Take precautionary measures against static discharges.

16. OTHER INFORMATION

Other information:

EXTREMELY FLAMMABLE! Keep away from heat or flame. Use only as directed. Avoid eye contact. If contact occurs, flush eyes with running water. Use only in a well-ventilated area. If redness or other signs of adverse reaction occur, discontinue use immediately. Keep container closed. Store in a cool place. **KEEP OUT OF REACH OF CHILDREN.**

Disclaimer:

CHEMCO CORP. believes that the information contained in this M.S.D.S. is correct as of this date. However, because the material may be used under conditions which CHEMCO CORP. has no control of or in ways we cannot anticipate, we give no warranty, expressed or implied, as to accuracy of the information and assume no responsibility for any damage to person, property or business arising from such use. Moreover, it is the responsibility of the purchaser or user of this material to ensure that is properly and safely used.