PRO NAIL NON-ACETONE

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 NON-ACETONE

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: Pink liquid with a fruity odor.

DANGER!! EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. MAY CAUSE RESPIRATORY TRACT IRRITATION. AVOID PROLONGED DIRECT INHALATION, MAY BE HARMFUL. MAY CAUSE EYE IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE DRY SKIN AND CAUSE IRRITATION AND BURNS.

Potential Health Effects

Exposure Routes

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

Eye Contact

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin Contact

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of the skin and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Ingestion

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amount may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injuries.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see section 8).

Aggravated Medical Condition

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material; Skin, lung (for example, asthma-like conditions), blood forming system.

Symptoms

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, high blood sugar, coma.

Target Organs

This material (or a component) shortens the time of onset or worsens the liver and kidney dace induced by chemicals.

Carcinogenicity

Based on available information, this material cannot be classified with regard to carcinogenicity. This material is not listed as a carcinogen by the International Agency for Research on Cancer (IRAC), the National Toxicology Program (NTP), or the Occupational Safety and Health Adminstration (OSHA).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS- No.	% by Wt.
Ethyl Alcohol	64-17-5	28.8%
Ethyl Acetate	141-78-6	45.0%

4. FIRST AID MEASURES

Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek medical attention immediately.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Lauder clothes before reuse.

Ingestion

Do not induce vomiting. If the material is swallowed, seek medical attention immediately.

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.

Notes to Physician

HAZARDS: This material is an aspiration hazard, Potential danger from aspiration must be weighed against possible oral toxicity (see section 2- swallowing) when deciding whether to induce vomiting. This material (or a component) has produced hyperglycemia and ketosis following substantial ingestion.

5. FIRE-FIGHTING MEASURES

Flash Point: 32°F
Method Used: Tag Closed Cup
Lower Flammable Limit: 2.6 (volume % in air)
Upper Flammable Limit: 12.8 (volume % in air)
Auto ignition: (Ethyl Alcohol) 363°C
Auto ignition: (Ethyl Acetate) 426.67

Suitable extinguishing media

Dry chemical powder, Carbon dioxide (CO2), Alcohol resistant 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

Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition source at locations near the material handling point. Never use welding or cutting torch on or near material. Wear full firefighting turnout gear (full Bunker gear), and respiratory protection (SCBA). Water may be ineffective for extinguishment unless used under favorable conditions by experienced fire fighters. Use water spray to cool fire exposed containers and structures until fire is out.

NFPA Flammable and Combustible Liquids Classification

Flammable liquid class IB

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

For personal protection see section 8. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from the area of spill until clean-up has been completed.

Environmental Precautions

Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred**.**

Methods for cleaning up

Absorb liquid with a floor absorbent or any other absorbent material.

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapors liquids, and or/solids), all hazard precautions given the data sheet must be observed. Use proper grounding during product transfer as described in NFPA77. Do not store near high heat or open flames

PRO NAIL NON-ACETONE

Storage

Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Ethyl Alcohol			64-17-5
ACGIH	time weighted average	1,000ppm	
OSHA	time weighted average	1,000ppm	
OSHA	time weighted average	1,900 mg/m3	

Ethyl Acetate			141-78-6
ACGIH	time weighted average	400ppm	
OSHA	time weighted average	400ppm	

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.

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.

Skin and body protection

None needed under normal use.

Respiratory Protection

None needed under normal use

General Hygiene Considerations: Wash skin after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid
Form	No data
Colour	clear pink
Odour	fruity
Boiling point/boiling range	(Ethyl Acetate) 77.11°c
Melting point/range	(Ethyl Acetate) -83.6°C
pH	6.0-8.5
Flash point	32°F

PRO NAIL NON-ACETONE

Evaporation rate	Not Availble
Vapour pressure	(Ethyl Acetate)91.84 hPa @ 18.7°c
Vapour density	(Ethyl Acetate) 3.04 (AIR=1)
Solubility	soluble in water
Specific gravity:	0.893-0.933 @ 25°c
Octanol/water partition coefficient (Kow):	(Ethyl Acetate): -0.6
Log Pow	-0.24
Auto ignition temperature	(Ethyl Acetate) 426.67°C

10. STABILITY AND REACTIVITY

Stability

Stable under normal ambient temperature 70°c (21°c)

Conditions to avoid

Heat, flames and sparks

Incompatible products

Avoid contact with: Acids, alkalis, strong bases, strong oxidizing agents

Hazardous decomposition products

Upon decomposition, this product evolves carbon monoxide, carbon dioxide, and/or low weight hydrocarbons.

Hazardous Reactions

Hazardous polymerization will not occur

11. TOXICOLOGICAL INFORMATION

Acute Effects

A: General Product information

Product contains ethyl alcohol and ethyl acetate. No expected to cause irritation when used in accordance to label.

B: Component Analysis LD50

Ethyl Alcohol (64-17-5)

Acute oral toxicity	: LD 50 Rat: 7,060 mg/kg

Ethyl Acetate (141-78-6)

Acute oral toxicity	: LD 50 Rat: 5,620 mg/kg
Acute dermal toxicity	: LD 50 Rabbit: >18000 mg/kg ppm
Acute dermal toxicity	: LD 50 Rabbit: >20 mL/kg

Chronic Effects:

Component

Ethyl Acetate (141-78-6)
Carcinogenicity: ACGIH A4 – Not Classifiable as a Human Carcinogen

Neurotoxicity: this product contains ethyl acetate, a central nervous system target.
Mutagenicity: No information available
Reproductive: No information available
Developmental: Ethyl alcohol is a developmental toxin when consumes during pregnancy.
Target Organs: Ethyl acetate can target the respiratory system, skin and eyes.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Ethyl Alcohol

Toxicity to fish

: 96 h LC 50 Oncorhynchus myKiss: 12,900 mg/l
Method: Flow-through (30 days old)
: 96 h LC 50 Pimephales promelas: 14.2 mg/l
: 5 min EC 50 Photobacterium phosphorem: 35,470mg/l
: 30 min EC 50 Photobacterium phosphorem: 34,634mg/l
: 48 h EC 50 Daphnia magna: 9,268 mg/l
: 24 h EC 50 Daphnia magna: 10,800 mg/l

Ethyl Acetate

: 48 h EC 50 Scenedesmus Subspicatus 3,300 mg/l
: 96 h LC 50 Pimephales promelas: 230 mg/l
Method: Flow-through
: 96 h LC 50 Oncorhynchus myKiss: 484 mg/l
Method: Flow-through
: 5 min EC 50 Photobacterium phosphorem: 1,180 mg/l
: 15 min EC 50 Photobacterium phosphorem: 5,870 mg/l
: 2 h EC 50 Pseudomonas flourescens: 7,400 mg/l
: 15 min EC 50 Pseudomonas flourescens: 1,500 mg/l
: 48 h EC 50 Daphnia magna: 717 mg/l

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

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

PRO NAIL NON-ACETONE

14. TRANSPORT INFORMATION

Shipping Name: Consumer Commodity ORM-D
Proper Shipping name for Non-Consumer Commodity: Flammable liquids n.o.s, 3, UN1993, PGII

15. REGULATORY INFORMATION

Ethyl alcohol and Ethyl acetate, components of this product are on the TSCA inventory.

California Prop. 65
WARNING!! This product contains ethyl alcohol a developmental toxicity when in alcoholic beverages.

The following components appear on one or more of the following states hazardous substance lists:

Component	CAS#	CA	MA	MN	NJ	PA
Ethyl Acetate	141-78-6	Yes	Yes	Yes	Yes	Yes
Ethyl Alcohol	64-17-5	Yes	Yes	Yes	Yes	Yes

16. OTHER INFORMATION

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.