PRO NAIL PURE ACETONE

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

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Product Name: PRONAIL PURE ACETONE

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: Liquid, colourless

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).

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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.	Concentration
Acetone	67-64-1	<=100%

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

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with head down. Contact physician, medical facility, or poison control center for advice about whether to induce vomiting. Do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

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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.

Treatment

No information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

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

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

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Storage

Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Acetone		67-64-1
ACGIH	time weighted average	500ppm
ACGIH	short term exposure limit	750ppm
NIOSH	recommended exposure limit (REL):	250ppm
NIOSH	Recommended exposure limit (REL):	590 mg/m3
OSHA Z1	Permissible exposure limit	1,000ppm
OSHA Z1	Permissible exposure limit	2,400 mg/m3

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

Wear chemical splash goggles when there is the potential for exposure of the yes to liquid, vapor or mist.

Skin and body protection

Wear resistant gloves (consult your safety equipment supplier).

Respiratory Protection

A NIOSH-approved air purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits or if overexposure has otherwise been determined.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid
Form	No data
Colour	colourless
Odour	fruity
Boiling point/boiling range	56.00 °c @ 101.32kPa

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Meltingpoint/range	-138.6°F / -94.8°C
pH	No data
Flash point	-20.00°C Closed cup
Evaporation rate	14.40 (n-Butyl Acetate)
Lower explosion limit/Upper explosion limit	2.6% (v)/12.8% (v)
Vapour pressure	30.796 kPa @25°c
Vapour density	2.000 (AIR=1)
Density	(+/- 0.01) 0.7865 g/cm3 @ 77°F/25°C
Solubility	soluble in water
Partition coefficient: n-octanol/water	no data
Log Pow	-0.24
Autoignition temperature	869°F/ 465°C

10. STABILITY AND REACTIVITY

Stability

Stable

Conditions to avoid

Heat, flames and sparks

Incompatible products

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

Hazardous decomposition products

Product will not undergo hazardous polymerization

Thermal decomposition

No data

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD 50 Rat: 5,800 mg/kg
Acute inhalation toxicity	: LD 50 Rat: >16000 ppm, 4 h
Acute dermal toxicity	: LD 50 Rabbit: >20,000 mg/kg

12. ECOLOGICAL INFORMATION

Biodegradability

Acetone	: no data available

Bioaccumulation

Acetone	: no data available

Ecotoxicity effects

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Toxicity to fish : 96 h LC 50 Rainbow trout, Donaldson trout (Oncorhynchus myKiss): 4,740.00-6,330.00 mg/l
Method: Static
Mortality
: 96 h LC 50 Bluegill(Lepomis macrochirus):8,300.00mg/l
Method: Static
Mortality
: 96 h LC 50 Fathead minnow (Pimephales promelas): 8,733.00-9,482.00mg/l
Method: Flow through
Mortality

Toxicity to daphnia and other aquatic invertebrates
Acetone : no data available

Toxicity to algae
Acetone : no data available

Toxicity to bacteria
Acetone : no data available

Biochemical Oxygen Demand (BOD)
Acetone : no data available

Chemical Oxygen Demand (COD)
Acetone : no data available

Additional ecological information
Acetone : no data available

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

REGULATIONS

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARIN POLLUTANT/ LTD. QTY
MEXICAN REGULATIONS FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES					
UN 1090	Acetona	3		II	

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INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

UN 1090	ACETONE	3		II	

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

UN 1090	ACETONE	3		II	

INTERNATIONAL MARITIME DANGEROUS GOODS

UN 1090	ACETONE	3		II	

TRANSPORT CANADA - RAIL

UN 1090	ACETONE	3		II	

TRANSPORT CANADA - ROAD

UN 1090	ACETONE	3		II	

U.S. DOT – INLAND WATERWAYS

UN 1090	ACETONE	3		II	

U.S. DOT - RAIL

UN 1090	ACETONE	3		II	

U.S. DOT - ROAD

UN 1090	ACETONE	3		II	

*ORM= ORM-D, CBL= COMBUSTIBLE LIQUIDS

Dangerous goods description (if indicated above) may not reflect quantity, end-use or region-specific exception that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

California Prop. 65

WARNING!! This product contains a chemical knows in the state of California to cause cancer. BENZENE

WARNING! This product contains a chemical known in the state of California to cause birth defects or other reproductive harm. BENZENE

SARA Hazard Classification

Fire Hazard
Acute Health Hazard

New Jersey RTK Label Information
ACETONE 67-64-1

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Pennsylvania RTK Label Information	
ACETONE	67-64-1
Notification Status	
Australia. Industrial Chemical (Notification and Assessment) Act	y (positive listing)
Canada. Canadian Enviornmental Protection Act (CEPA) Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)	y (positive listing)
China. Inventory of Existing Chemical Substances	y (positive listing)
Japan. Kashin-Hou Law List	y (positive listing)
US. Toxic Substances and Hazardous and Nuclear	y (positive listing)
EU. EINECS	y (positive listing)
Korea. Toxic Chemical Control Law (TCCL) List	y (positive listing)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	y (positive listing)
Japan. Industrial Safety & Health Law (ISHL) List	y (positive listing)
New Zealand. Inventory of Chemicals (NZIoC), as published By ERMA New Zealand	y (positive listing)
Switzerland. Consolidated Inventory	y (positive listing)

Reportable quantity – Product

US. EPA CERCLA Hazardous Substances (40 CFR 302)	5000 LBS

Reportable quantitity – Components

ACETONE	67-64-1	5000 LBS

	HMIS	NFPA
Health	1	1
Flammability	3	3
Physical Hazards	0	
Instability		0
Specific Hazard	--	--

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.