

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

Chemco Corporation  
4920 NW 165<sup>th</sup> Street  
Miami, FL, 33014  
Telephone: 305-623-4445  
Emergency Telephone: 1-800-535-5053  
International Telephone: 1-352-323-3500

Product Name: PRONAIL PURE ACETONE

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

Appearance: Liquid, colorless



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.



**SAFETY DATA SHEET**  
**PRONAIL PURE ACETONE**

**Product Number: 60-0530**  
**REVISED: 9/15/2015**

**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**

Description (Raw Material Name)	CAS Number	%	OSHA PEL	ACGIH TLV (TWA)	OTHER LIMITS RECOMMENDED
Acetone	67-64-1	100	500 ppm (ST)* 750 ppm (C)** 3000 ppm	500 ppm (ST) 750 ppm	-

**\*(ST) STEL**

**\*\* (C) Ceiling**

**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**

**SAFETY DATA SHEET**  
**PRONAIL PURE ACETONE**

**Product Number: 60-0530**

**REVISED: 9/15/2015**

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder 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.

**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 (CO<sub>2</sub>), 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

**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/m <sup>3</sup>
OSHA Z1	Permissible exposure limit	1,000ppm
OSHA Z1	Permissible exposure limit	2,400 mg/m <sup>3</sup>

**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 eyes 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
Melting point/range	-138.6°F / -94.8°C
pH	7
Flash point	-20.00°C Closed cup
Evaporation rate	5.6 (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
Specific Gravity	0.791 – 0.973 @25°C
Solubility	soluble in water
Partition coefficient: n-octanol/water	no data
Log Pow	-0.24
Autoignition temperature	869°F/ 465°C
Viscosity, dynamic	0.3 mPa.s

**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**

**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.



**SAFETY DATA SHEET**  
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**14. TRANSPORT INFORMATION**

**REGULATIONS**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARIN POLLUTANT/ LTD. QTY
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**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	
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**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

UN 1090	ACETONE	3		II	
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**INTERNATIONAL MARITIME DANGEROUS GOODS**

UN 1090	ACETONE	3		II	
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**TRANSPORT CANADA - RAIL**

UN 1090	ACETONE	3		II	
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**TRANSPORT CANADA - ROAD**

UN 1090	ACETONE	3		II	
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**U.S. DOT – INLAND WATERWAYS**

UN 1090	ACETONE	3		II	
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**U.S. DOT - RAIL**

UN 1090	ACETONE	3		II	
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**U.S. DOT - ROAD**

UN 1090	ACETONE	3		II	
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\*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**

Shipped as either a consumer commodity or as a limited quantity of a PG II material if inner package is less than or equal to 32 oz. There is no requirement for the outer package to bear a hazard class label (unless this consumer commodity material will be shipped by air, in which case, the outer package would have to be labeled for the hazard class). Additionally, 173.150(c) indicates that the outer package is not required to meet the specification packaging requirements.

**The 30 kg (66 pounds) gross weight limitation that normally applies to limited quantities does not apply to materials classified as ORM-D when these materials are offered for transportation or transported by highway or rail between a manufacturer, a distribution center, and a retail outlet.**

**California Prop. 65**

WARNING!! This product contains a chemical known 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

**Pennsylvania RTK Label Information**

ACETONE 67-64-1

**Notification Status**

Australia. Industrial Chemical (Notification and Assessment) Act y (positive listing)

Canada. Canadian Environmental Protection Act (CEPA) y (positive listing)

Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)

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 y (positive listing)

Waste Control Act

Japan. Industrial Safety & Health Law (ISHL) List y (positive listing)

New Zealand. Inventory of Chemicals (NZIoC), as published y (positive listing)

By ERMA New Zealand

Switzerland. Consolidated Inventory y (positive listing)

**Reportable quantity – Product**





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US. EPA CERCLA Hazardous Substances (40 CFR 302) 5000 LBS  
**Reportable quantity – 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.