Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification

Product Name	Acetone NF
Commercial Name	N/A
Product Use	General purpose solvent
Restrictions On Use	Use in accordance with manufacturer's recommendations
Product Code	50-1888

Company

PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: CFR 1910.1200: Serious eye damage/Eye irritation (Category 2) Flammable Liquids (Category 2) Specific target organ toxicity - single exposure (Category 3 narcotic effects)

Signal Word: DANGER

Hazard Statement(s): Highly flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear protective gloves/eye protection/face protection.

Response: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use appropriate media to extinguish.

Storage: Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: Composition/Information on Ingredients

Substance/Mixture	Substance
Components	Acetone NF
% By Weight	100
CAS#	67-64-1
Molecular Weight	58.08 g/mole
Chemical Formula	C3-H6-O
Synonym(s)	2-Propanone

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Acetone	67-64-1	100	TWA: 500 STEL: 750 (ppm) from ACGIH (TLV) [United States] TWA: 750 STEL: 1000 (ppm) from OSHA (PEL) [United States] TWA: 500 STEL: 1000 [Austalia] TWA: 1185 STEL: 2375 (mg/m3) [Australia] TWA: 750 STEL: 1500 (ppm) [United Kingdom (UK)] TWA: 1810 STEL: 3620 (mg/m3) [United Kingdom (UK)] TWA: 1800 STEL: 2400 from OSHA (PEL) [United States]	ORAL (LD50): Acute: 5800 mg/kg [Rat]. 3000 mg/kg [Mouse]. 5340 mg/kg [Rabbit]. VAPOR (LC50): Acute: 50100 mg/m3 8 hours [Rat]. 44000 mg/m3 4 hours [Mouse].

Section 4: First-Aid Measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

Skin Contact Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye Contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Do not induce vomitting. If vomitng occurs, keep head low so that stomach content doesnt get into the lungs.

Symptoms/Effects

Acute May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Delayed May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Immediate Medical Attention

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

Water fog. Alcohol resistant Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable Extinguishing Media

Do not use water jet as an extinguisher, as this will spread the fire.

Products of Combustion

By heating and fire, harmful vapors/gases may be formed.

Firefighters Special Equipment and Precautions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6: Accidental Release Measures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Wear appropriate personal protective equipment. Avoid breathing mist/vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8 of the SDS. Methods and materials for containment and cleaning up: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. The product is completely soluble in water. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination

Section 7: Handling and Storage

Handling:Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Storage: Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS)

Section 8: Exposure Controls/Personal Protection

Exposure Limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000): PEL 2400 mg/m3, 1000 ppm US. ACGIH Threshold Limit Values: STEL 500 ppm, TWA 250 ppm US. NIOSH: Pocket Guide to Chemical Hazards: TWA 590 mg/m3, 250 ppm ACGIH Biological Exposure Indices: Material: Acetone Value: 25mg/l, Determinant:Acetone, Specimen: Urine.

Engineering Controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Personal Protection

Eye/face protection: Chemical goggles are recommended. Skin protection Hand protection: Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Other: Wear suitable protective clothing. Respiratory protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn Thermal hazards: Wear appropriate thermal protective clothing, when necessary. General hygiene consideration: When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9: Physical and Chemical Properties

Appearance	Clear liquid; invisible vapor
Odor	Sweet. Alcohol-like.
Odor Threshold	Not available.

Melting Point	-137.2 °F (-94 °C)	**pH**	Not available
Freezing Point	-137.2 °F (-94 °C)	**Vapor Pressure**	245.3 hPa at 25 °C (68 °F (20 °C))
Boiling Point/Range	132.8°F (56°C)	**Vapor Density**	Not available
Decomposition temperature	Not available	**Viscosity**	Not available
Partition Coefficient: n-octanol/water	-0.24	**Evaporation Rate**	May evaporate quickly
Flash Point	-4.0 °F (-20.0 °C) Closed Cu	**Autoignition temperature**	869 °F (465 °C)
Flammability	Not available	**Flammability or Explosive Limits:**	
		Lower	2.5%V
		Upper	12.8%V

Solubility(ies)	Completely soluble in water
Other	Alcohol: Soluble. Benzene: Soluble. Chloroform: Soluble. Ether: Soluble Chemical family Ketone. Dynamic viscosity 0.27 mPa.s (104 °F (40 °C)) Heat of combustion (NFPA 30B) 27.7 kJ/g Molecular formula C3H6O Molecular weight 58.08 Specific gravity 0.79 at 20 °C Surface tension 23.7 mN/m (68 °F (20 °C))

Section 10: Stability and Reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability	Material is stable under normal conditions.
Hazardous Polymerization	Hazardous polymerization does not occur
Conditions to Avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Conctact with incompatible materials.
Incompatible Materials	Acids. Strong oxidizing agents.
Hazardous Decomposition Products	No hazardous decomposition products are known

Section 11: Toxicological Information

RTECS AL3150000

Acute Toxicity
Acute Dermal LD50 Rabbit >15700 mg/kg, 24 Hours Inhalation Vapor LC50 Rat 76 mg/l, 4 hours Oral LD50 Rat 5800 mg/kg

Skin Corrosion/Irritation
Prolonged skin contact may cause temporary irritation.

Serious Eye Damage/Irritation
Causes serious eye irritation.

Respiratory or Skin Sensitization
Respiratory sensitization: Not a respiratory sensitizer. Skin sensitization: This product is not expected to cause skin sensitization.

Germ Cell Mutagenicity
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic

Carcinogenicity
Not classifiable as to carcinogenicity to humans.

Reproductive Toxicity
This product is not expected to cause reproductive or developmental effects.

Routes of Entry
Inhalation: May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful Skin: Prolonged skin contact may cause temporary irritation Eye: Causes serious eye irritation Ingestion:May be harmful if swallowed and enters airways

Symptoms Related to Exposure
Gastrointestinal disturbances. Fatigue. Headache. Vomiting. Dizziness. Weakness. Drowsiness.

Potential Health Effects
Not available.

Target Organ(s) Narcotic effects.

Section 12: Ecological Information

Ecotoxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Aquatic Acute Crustacea LC50 Daphina Pulex 8800 mmg/l, 48 hours Fish LC50 Pimephales promelas 7163 mg/l, 96 hours Chronic Crustacea NOEC Daphnia magna >79 mg/l, 21 days.

Persistance and Degradability
Not available.

Bioaccumulative Potential
No data available for this product.

Mobility in Soil
The product is completely soluble in water.

Other Adverse Effects
The product contains volatile organic compounds which have a photochemical ozone creation potential

Section 13: Disposal Considerations

Waste Disposal
Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Dispose of contents/container in accordance with local/regional/national/international regulation Local disposal regulations: dispose in accordane with all applicable regulations. Hazardous waste code: The waste cold should be assigned in discussio between the user, the produceer and the waste disposal company.

Disposal of Container
Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recylcing or disposal.

Other Considerations
Not available.

Section 14: Transport Information

DOT Classification
UN number: UN1090 UN proper shipping name: Acetone (Acetone RQ = 5000 LBS) Transport hazard class(es) Class 3 Subsidiary risk - Label(s) 3 Packing group II Environmental hazards Marine pollutant No. Special precautions for user Read safety instructions, SDS and emergencey procedures beofore handling. Special Provisions IB2, T4, TP1 Packaging exceptions 150 Packaging non bulk 202 Packaging bulk 242

Section 15: Regulatory Information

Regulations

US federal regulations: CERCLA/SARA Reportable Quantity: 5000 pounds (2270 kg) Class 1B Flammable liquid This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4) Acetone (CAS 67-64-1) Listed. SARA 304 Emergency release notification Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not regulated. Superfund Amendments and Reauthorization Act of 1986 (SARA) SARA 302 Extremely hazardous substance Not listed SARA 311-312 Hazardous - Yes Chemical Classified hazard: Flammable (gases, aerosols, liquids, or solids) Categories: Serious eye damage or eye irritation Specific targt organ toxicity (single or repeated exposure) Immediate Hazard - Yes Hazard categories Yes SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Not regulated.Safe Drinking Water Act (SDWA) Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number Acetone (CAS 67-64-1) 6532 Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c)) Acetone (CAS 67-64-1) 35 %WV DEA Exempt Chemical Mixtures Code Number Acetone (CAS 67-64-1) 6532 FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace Acetone (CAS 67-64-1) Low priority US state regulations US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a)) Acetone (CAS 67-64-1

Other

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Section 16: Other Information

The information contained herein is based on data considered to be accurate. However, no warranty is expressed regarding the accuracy of these data or the results to be obtained from the use thereof. It is the user's obligation to determine the conditions of safe use of the product.