Safety Data Sheet

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

Section 1: Identification

Product Name Acetaminophen USP Powder
Commercial Name Paracetamol
Product Use Not available.
Restrictions On Use Not available.

Product Code 30-2633

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: Acute toxicity, oral Category 4 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation
CFR 1910.1200 Category 2 Hazardous to the aquatic environment, acute Category 2 Combustible dust

Signal Word WARNING

Hazard Statement(s) Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention Prevent dust accumulation to minimize explosion hazard. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/eye protection/face protection. Observe good industrial hygiene practices.

Response If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish.

Storage Store away from incompatible materials.

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

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Acetaminophen
% By Weight 100
CAS# 103-90-2
Molecular Weight 151.16 g/mole
Chemical Formula C8H9NO2
Synonym(s) N-(4-Hydroxyphenyl)acetamide APAP PARACETAMOL 4-HYDROXYACETANILIDE

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Acetaminophen	103-90-2	99.0-101.0	N/A	N/A

Section 4: First-Aid Measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin Contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Eye Contact Do not ruX eyes. 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. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell

Symptoms/Effects

Acute Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and Xlurred vision. Skin irritation. May cause redness and pain. Inhalation of dusts may cause respiratory irritation.

Delayed Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and Xlurred vision. Skin irritation. May cause redness and pain. Inhalation of dusts may cause respiratory irritation.

Immediate Medical Attention

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under oXservation. Symptoms may Xe delayed.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

Water fog. Foam. Dry chemical powder. CarXon dioxide (CO2). Apply extinguishing media carefully to avoid creating airXorne dust. Avoid high pressure media which could cause the formation of a potentially explosiXle dust-air mixture.

Unsuitable Extinguishing Media

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

Products of Combustion

Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may Xe formed. ComXustion products may include: carXon oxides, nitrogen oxides.

Firefighters Special Equipment and Precautions

Self-contained Xreathing apparatus and full protective clothing must Xe worn in case of fire. In case of fire and/or explosion do not Xreathe fumes. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Use only non-sparking tools. Dust deposits should not Xe allowed to accumulate on surfaces, as these may orm an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should Xe advised if significant spillages cannot Xe contained. 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). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect dust using a vacuum cleaner equipped with HEPA filter. Prevent product from entering drains. Stop the flow of material, if this is without risk. Large Spills: Wet down with water and dike for later disposal. AXsorX in vermiculite, dry sand or earth and place into containers. Shovel the material into waste container. Following product recovery, flush area with water. Small Spills: Sweep up or vacuum up spillage and collect in suitaXle container for disposal. Wipe up with aXsorXent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination Environmental precautions: Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground

Section 7: Handling and Storage

Handling: Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Explosion-proof general and local exhaust ventilation. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. Storage: For storage condition, see finished product label. Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Protect from sunlight.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	TWA 2 mg/m3
Engineering Controls	Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should Xe 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. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. Eye wash fountain and emergency showers are recommended
Personal Protection	Eye/face protection: Chemical goggles are recommended. Use tight fitting goggles if dust is generated. Skin protection Hand protection: Wear appropriate chemical resistant gloves. Nitrile or butyl rubber gloves are recommended. Other: Wear appropriate chemical resistant clothing. Renpiratory protection: If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. Respirator type: Wear respirator with dust filter. Thermal hazards: Wear appropriate thermal protective clothing, when necessary. General hygiene conniderations: When using, do not eat, drink or 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	White Granules or powder
Odor	Odorless
Odor Threshold	Not available.

Melting Point	334.4 - 341.6 °F (168 - 172 °	**pH**	5.5 - 6.5 Saturated solution in wate
Freezing Point	Not available.	**Vapor Pressure**	< 0.01 Pa (77 °F (25 °C))
Boiling Point/Range	Not available.	**Vapor Density**	Not available.
Decomposition temperature	Not available.	**Viscosity**	Not available.
Partition Coefficient: n-octanol/water	0.46	**Evaporation Rate**	Not available.
Flash Point	Not available.	**Autoignition temperature**	Not available.
Flammability	May form combustible dust c	**Flammability or Explosive Limits:**	
		Lower	Not available.
		Upper	Not available.

Solubility(ies)	Soluble in boiling water. Water at 22°C = 12 mg/mL. Water at 70°C = 80 mg/mL Freely soluble in alcohol. Methanol at 22°C + 216 mg/mL. Isopropanol at 22°C + 100 mg/mL Ethanol at 20°C = 150 mg/mL
Other	Relative dennity 1.29 (69.8 °F (21 °C)) Density 1.29 g/cm³ Explosive properties: Not explosive. Molecular formula C8-H9-N-O2 Molecular Meight 151.16 g/mol Oxidizing properties: Not oxidizing. Dust Electrostatic Properties Charge Relaxation Time at Ambient Humidity: 1.4 hours Charge Relaxation Time at Low Humidity: 5.5 hours Minimum Ignition Energy (Cloud) 5 - 10 mJ Resistivity at Ambient Humidity: 8.5e+13 ohm.m Resistivity at Low Humidity: 8.5e+14 ohm.m

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 will not occur.
Conditions to Avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Water, moisture. Contact with incompatible materials. Minimize dust generation and accumulation
Incompatible Materials	Strong oxidizing agents. Acids. Amides.
Hazardous Decomposition Products	In the presence of heat and water, substance may hydrolyze to acetic acid and p-aminophenol.

Section 11: Toxicological Information

RTECS Not available.

Acute Toxicity
Harmful if swallowed. Acute Oral LD50 Mouse 338 mg/kg Rat 2400 mg/kg

Skin Corrosion/Irritation
Causes skin irritation.

Serious Eye Damage/Irritation
Causes serious eye irritation

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

Germ Cell Mutagenicity
Not available.

Carcinogenicity
Not available.

Reproductive Toxicity
Not available.

Routes of Entry
Inhalation Skin. Eye. ingestion.

Symptoms Related to Exposure
Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Inhalation of dusts may cause respiratory irritation

Potential Health Effects
Not available.

Target Organ(s) Not available.

Section 12: Ecological Information

Ecotoxicity
Aquatic Acute Crustacea EC50 Daphnia magna 9.2 mg/l, 48 hours Fish LC50 Medaka, high-eyes (Oryzias latipes) > 160 mg/l, 96 hours Chronic Crustacea NOEC Daphnia magna > 1 mg/l, 21 days

Persistance and Degradability
This material is readily biodegraded and is not likely to bioconcentrate

Bioaccumulative Potential
Partition coefficient n-octanol / Mater (log KoM) 0.4

Mobility in Soil
This product is slightly water soluble and may disperse in soil

Other Adverse Effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Section 13: Disposal Considerations

Waste Disposal
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations

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 recycling or disposal.

Other Considerations
Not available.

Section 14: Transport Information

DOT Classification
DOT Not regulated as dangerous goods.

Section 15: Regulatory Information

Regulations

US federal regulations: This product is a "Hazardous Chemical" as defined Xy the OSHA Hazard Communication Standard, 29 CFR 1910.1200. CERCLA (Superfund) reportable quantity None CERCLA Eazardoun Subntance Lint (40 CFR 302.4) Not listed. SARA 304 Emergency releane notification Not regulated. OSEA Specifically Regulated Subntancen (29 CFR 1910.1001-1052) Not regulated. US federal regulationn This suXstance is on the TSCA 8(X) inventory and is designated “active”.Toxic Subntancen Control Act (TSCA) TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. SARA 302 Extremely hazardoun nubntance Superfund Amendmentn and Reauthorization Act of 1986 (SARA) Not listed. YesSARA 311/312 Eazardoun chemical ComXustiXle dust Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation Clannified hazard categorien SARA 313 (TRI reporting) Not regulated. Other federal regulationn Clean Air Act (CAA) Section 112 Eazardoun Air Pollutantn (EAPn) Lint Not regulated. Clean Air Act (CAA) Section 112(r) Accidental Releane Prevention (40 CFR 68.130) Not regulated. Not regulated.Safe Drinking Water Act (SDWA) US ntate regulationn California Proponition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

Other

EU Classification and Labeling- Classification: Xn, R22, R52 Risk Phrase: R22-Harmful if swallowed; R52- Harmful to aquatic organisms Safety Phrase: S36/37-Wear suitable protective clothing and gloves; S61-Avoid release to the environment. Refer to special instructions/safety data sheet.

Section 16: Other Information

The MSDS was prepared by Production Department of Anqiu Lu'an Pharmaceutical Co., Ltd. Please ask for the MSDS from Sales department or International department.