



# Safety Data Sheet

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

UREA USP

30-5138

## Section 1: Identification

**Product Name** UREA USP  
**Commercial Name** N/A  
**Product Use** N/A  
**Restrictions On Use** N/A

**Product Code** 30-5138

**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:** N/A  
**CFR 1910.1200**

**Signal Word** NON-HAZARDOUS

**Hazard Statement(s)** Not a hazardous substance or mixture.

**Pictogram(s) or Symbol(s)**

### Precautionary Statement(s):

**Prevention** N/A  
**Response** N/A  
**Storage** N/A  
**Disposal** N/A

## Section 3: Composition/Information on Ingredients

**Substance/Mixture** Substance  
**Components** Urea  
**% By Weight** N/A  
**CAS#** 57-13-6  
**Molecular Weight** 60.05 g/mol  
**Chemical Formula** CH<sub>4</sub>N<sub>2</sub>O  
**Synonym(s)** N/A

### Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Urea	57-13-6	N/A	N/A	N/A

**Section 4: First-Aid Measures**

<b>Inhalation</b>	After inhalation: fresh air.
<b>Skin Contact</b>	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
<b>Eye Contact</b>	After eye contact: rinse out with plenty of water. Remove contact lenses.
<b>Ingestion</b>	After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.
<b>Symptoms/Effects</b>	
<b>Acute</b>	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
<b>Delayed</b>	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
<b>Immediate Medical Attention</b>	No data available

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

For this substance/mixture no limitations of extinguishing agents are given.

**Products of Combustion**

Carbon oxides Nitrogen oxides (NOx) Not combustible. Fire may cause evolution of: Ammonia, nitrous gases Ambient fire may liberate hazardous vapours.

**Firefighters Special Equipment and Precautions**

In the event of fire, wear self-contained breathing apparatus. Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

**Section 6: Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures: Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8. Environmental precautions: Do not let product enter drains. Methods and materials for containment and cleaning up: Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts. Reference to other sections: For disposal see section 13.

**Section 7: Handling and Storage**

Precautions for safe handling: For precautions see section 2.2. Storage conditions: Tightly closed. Dry. Store at +2°C to +25°C. Storage class (TRGS 510): 11: Combustible Solids Specific end use(s): Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

**Section 8: Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	Contains no substances with occupational exposure limit values.
<b>Engineering Controls</b>	Change contaminated clothing. Wash hands after working with substance.
<b>Personal Protection</b>	Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses Skin protection: This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves. Full contact/Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:KCL 741 Dermatril® L Respiratory protection: required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Control of environmental exposure: Do not let product enter drains.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Form: solid Color: white		
<b>Odor</b>	Odorless		
<b>Odor Threshold</b>	Not applicable.		
<b>Melting Point</b>	134°C (273°F)	<b>pH</b>	7.5-9.5 at 480 g/l at 25°C (77°F)
<b>Freezing Point</b>	Not applicable.	<b>Vapor Pressure</b>	<0.1 hPa at 25°C (77°F)
<b>Boiling Point/Range</b>	Decomposes below the boilir	<b>Vapor Density</b>	No data available.
<b>Decomposition temperature</b>	No data available.	<b>Viscosity</b>	No data available.
<b>Partition Coefficient: n-octanol/water</b>	log Pow: < -1.73 at 22 °C (72	<b>Evaporation Rate</b>	No data available.
<b>Flash Point</b>	Not applicable.	<b>Autoignition temperature</b>	> 134 °C (> 273 °F)
<b>Flammability</b>	No data available.	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	No data available.
		<b>Upper</b>	No data available.
<b>Solubility(ies)</b>	624 g/l at 20°C (68°F) in water		
<b>Other</b>	Relative density 1.32 g/cm <sup>3</sup> at 20 °C (68 °F) Bulk density 720 - 760 kg/m <sup>3</sup> Dissociation constant < 0.6		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	No data available
<b>Chemical Stability</b>	The product is chemically stable under standard ambient conditions (room temperature)
<b>Hazardous Polymerization</b>	Exothermic reaction with: metallic chlorides, chlorites, chromates/perchromates, fluorine, nitrates, strong oxidizing agents, hydrogen peroxide. Generates dangerous gases or fume in contact with: bases, chlorinated solvents. Risk of explosion/exothermic reaction with: ammonium nitrate, calcium hypochlorite, chlorine, chromyl chloride, nitroso compound, sodium hypochlorite, nitrosyl compounds, phosphorous pentachloride, perchlorates, nitrites, nitro compounds.
<b>Conditions to Avoid</b>	No information available
<b>Incompatible Materials</b>	Various plastics
<b>Hazardous Decomposition Products</b>	In the event of fire: see section 5

**Section 11: Toxicological Information**

<b>RTECS</b>	N/A
<b>Acute Toxicity</b>	LD50 Oral - Rat - 8,471 mg/kg Remarks: (RTECS) Symptoms: Nausea, Vomiting Inhalation: No data available Dermal: No data available
<b>Skin Corrosion/Irritation</b>	Skin - Rabbit. Result: No skin irritation - 4 h (OECD Test Guideline 404)
<b>Serious Eye Damage/Irritation</b>	Eyes - Rabbit. Result: slight irritation (OECD Test Guideline 405)
<b>Respiratory or Skin Sensitization</b>	No data available
<b>Germ Cell Mutagenicity</b>	No data available
<b>Carcinogenicity</b>	

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**Reproductive Toxicity**

No data available

**Routes of Entry**

N/A

**Symptoms Related to Exposure**

Nausea, vomiting

**Potential Health Effects**

N/A

**Target Organ(s)** Specific target organ toxicity - single exposure: No data available. Acute oral toxicity - Nausea, Vomiting. Specific ta

**Section 12: Ecological Information****Ecotoxicity**

No data available Toxicity to algae Ecx - Scenedesmus quadricauda (Green algae) - &gt; 10,000 mg/l - 8d Remarks: (Lit.) (urea)

**Persistence and Degradability**

No data available

**Bioaccumulative Potential**

No data available

**Mobility in Soil**

No data available

**Other Adverse Effects**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted. Discharge into the environment must be avoided.

**Section 13: Disposal Considerations****Waste Disposal**

Waste material must be disposed of in accordance with the national and local regulations. No mixing with other waste. Handle uncleaned containers like the product

**Disposal of Container**

N/A

**Other Considerations**

N/A

**Section 14: Transport Information****DOT Classification**

DOT (US) Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods Further information Not classified as dangerous in the meaning of transport regulations.

**Section 15: Regulatory Information****Regulations**

SARA 302 Components This material does not contain any components with a section 302 EHS TPQ. SARA 313 Components This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act.

**Other**

N/A

**Section 16: Other Information**



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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.