Safety Data Sheet

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

Section 1: Identification

Product Name Pentoxifylline USP
Commercial Name Dimethyloxohexylxanthine, Oxpentifylline, Pentoxifyllin, Pentoxiphyllium, Pentoxyphylline, Trental, Vazofirin, BL 191, Azu
Product Use Not available
Restrictions On Use Not available

Product Code 30-4389

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 Acute toxicity, oral Category 4

Signal Word WARNING

Hazard Statement(s) Harmful if swallowed.

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention P260 Do not breathe dust. P280 Wear suitable protective clothing, gloves and eye/face protection. P262 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Response Not available
Storage Not available
Disposal Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Pentoxiphylline
% By Weight 100
CAS# 6493-05-6
Molecular Weight 278.3
Chemical Formula C13-H18-N4-O3
Synonym(s) 1-(5-Oxohexyl)-3,7-dimethylxanthine; 1-(5-Oxyhexyl)theobromine; 1H-PPUrine-2,6-dione, 3,7-dihydro-3,7-dimethyl-1-(5-oxohexyl)- (9CI); 3,7-Dihydro-3,7-dimethyl-1-(5-oxohexyl) -1H-purine-2,6-dione; 3,7-Dimethyl-1-(5-oxohexyl)-1H,3H-purin-2,6-dione; 3,7-Dimethyl-1-(5-oxohexyl)xanthine

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Pentoxiphylline	6493-05-6	100	N/A	N/A

Section 4: First-Aid Measures

Inhalation	Assure fresh air breathing. Rest. If you feel unwell, seek medical advice.
Skin Contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
Eye Contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, tears or redness persist.
Ingestion	Rinse mouth. If swallowed, seek medical advice immediately and show this container or label.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available

Immediate Medical Attention
In case of reactions described in hazards identification or other severe, immediate or persisting symptoms seek medical advice and call the nearest poison centre. Show the label and this safety data sheet.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media
Water spray. Carbon Dioxide. Dry Powder.

Unsuitable Extinguishing Media
Do not use a heavy water stream.

Products of Combustion
Incomplete combustion will generate poisonous carbon monoxide, carbon dioxide and other toxic gases.

Firefighters Special Equipment and Precautions
Use water spray or fog for cooling exposed containers. Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6: Accidental Release Measures

Personal precautions, protective equipments and emergency procedures: Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection Environmental precautions: Remove ignition sources. Evacuate area. Methods and materials for containment and cleaning up: To clean the floor and all objects contaminated by this material, use: Water /Detergent. Avoid dust production. Ensure adequate ventilation.

Section 7: Handling and Storage

Precautions for safe handling: Personal protection :Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing. Technical protective measures : Material should be handled in a laboratory hood whenever possible. Handling : Handle in accordance with good industrial hygiene and safety procedures. Storage - away from : All heat sources, including direct sunlight. Open flame. Sources of ignition. Sparks. Incompatible materials. Condition for safe storage: Store in tight light resistant container at controlled room temperature (15-3O°C).

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Handling of small quantities in fume hood recommended. Mechanical exhaust, safety shower and eye bath required.
Personal Protection	Respiratory protection Wear approved mask. (P2). In case of insufficient ventilation, wear suitable respiratory equipment. Hand Protection Wear suitable gloves resistant to chemical penetration. Eye Protection Chemical goggles or safety glasses. Skin and body protection Wear suitable protective clothing. Hygine measure Provide local exhaust or general room ventilation.

Section 9: Physical and Chemical Properties

Appearance	A white to almost white crystalline powder.
Odor	Odorless
Odor Threshold	Not available

Melting Point	103-107C	**pH**	5 - 7
Freezing Point	Not available.	**Vapor Pressure**	Not available.
Boiling Point/Range	Not available.	**Vapor Density**	Not available.
Decomposition temperature	Not available	**Viscosity**	Not available.
Partition Coefficient: n-octanol/water	0.56	**Evaporation Rate**	Not available
Flash Point	Not available.	**Autoignition temperature**	Not available
Flammability	Will burn if ignited	**Flammability or Explosive Limits:**	
		Lower	Not available
		Upper	Not available

Solubility(ies)	Soluble in water, freely soluble in methylene chloride; sparingly soluble in ethanol (96%).
Other	Not available.

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Stable under normal conditions
Hazardous Polymerization	Hazardous polymerization will not occur.
Conditions to Avoid	Light.
Incompatible Materials	Strong oxidizers
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide. Nitrogen oxides. When heated to decomposition, emits dangerous fumes

Section 11: Toxicological Information

RTECS XH2475000

Acute Toxicity
Rat oral LD50 [mg/kg] : 1170. Rabbit dermal LD50 [mg/kg]: No data available. Rat inhalation LC50 [mg/L/4h] : No data available.

Skin Corrosion/Irritation
Not available

Serious Eye Damage/Irritation
Not available

Respiratory or Skin Sensitization
Not available

Germ Cell Mutagenicity
Not available

Carcinogenicity
Not available

Reproductive Toxicity
Not available

Routes of Entry
Not available.

Symptoms Related to Exposure
Vascular disorders. Reduced blood pressure Dizziness. Flush. Changes in blood pressure.

Potential Health Effects
Not available.

Target Organ(s) Not available

Section 12: Ecological Information

Ecotoxicity
LC50-96 Hour - fish [mg/L] : 100-220 EC50-48 Hour-Daphnia magna [mg/L] : >100 IC50-72h-Algae [mg/L] : 1004.20

Persistance and Degradability
Biodegradation [%] : >80 Biodegradable

Bioaccumulative Potential
Data not available

Mobility in Soil
Data not available

Other Adverse Effects
Data not available

Section 13: Disposal Considerations

Waste Disposal
Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.

Disposal of Container
Not available.

Other Considerations
Not available

Section 14: Transport Information

DOT Classification
Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information

Regulations
Not available

Other
Not available.

Section 16: Other Information

Not available.