



Safety Data Sheet

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

Acetylcysteine USP

30-1601

Section 1: Identification

Product Name Acetylcysteine USP
Commercial Name Not available.
Product Use N/A
Restrictions On Use N/A
Product Code 30-1601
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: Not available
CFR 1910.1200
Signal Word NON-HAZARDOUS
Hazard Statement(s) Not available
Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention Not available
Response Not available
Storage Not available
Disposal Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components N/A
% By Weight 100%
CAS# 616-91-1
Molecular Weight Not available.
Chemical Formula C₅H₉NO₃S
Synonym(s) L-alpha-acetamido-beta-mercaptopropionic acid

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
{N-}Acetyl{-L-}Cyste ine	616-91-1	100	Not available.	ORAL (LD50):Acute: 5050mg/kg [Rat].7888 mg/kg[Mouse].

Section 4: First-Aid Measures

Inhalation	Remove the casualty into fresh air and keep him immobile. In the event of symptoms refer for medical treatment.
Skin Contact	In case of contact with skin wash off with warm water
Eye Contact	Eye rinsing with water carefully while protecting unhurt eye. In case of contact with eyes rinsing with plenty of lukewarm water carefully and seek for medical treatment.
Ingestion	If swallowed by mistake drink plenty of water and seek medical treatment.
Symptoms/Effects	
Acute	N/A
Delayed	N/A
Immediate Medical Attention	Not available.

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

Dry fire-extinguishing substance Carbon dioxide Water spray jet

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Nitrogen gases (NOx) Carbon monoxide (CO) Sulphur dioxide (SO₂)

Firefighters Special Equipment and Precautions

Use breathing apparatus with independent air supply.

Section 6: Accidental Release Measures

For non-emergency personnel: Use personal protective clothing. Environmental precautions: Do not discharge into the drains or bodies of water..Do not seep away runed out product into ground or body of water. Methods and material for containment and cleaning up Take up mechanically and send for disposal.

Section 7: Handling and Storage

Advice on safe handling: Avoid the formation and deposition of dust. General protective measures: Do not inhale dust. Hygiene measures: Wash hands before breaks and after work. Advice on protection against fire and explosion: In case of special conditions product may dust-explode. Avoid formation of dust. Conditions for safe storage, including any incompatibilities: Requirements for storage rooms and vessels. Do not use metallic container. Advice on storage compatibility: Keep at distance to chemicals because of pharmaceutical effect. Further information on storage conditions: Keep container dry and store at cool and aired place. Information on storage stability Storage time: 5 years. Storage group 11 Dust explosion class St1

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Not available
Personal Protection	Respiratory protection: In case of dust wear mask P2. Hand protection: Gloves of nitrile rubber. Eye protection: safety goggles Other protection measures: Light protective clothing.

Section 9: Physical and Chemical Properties

Appearance	colourless crystalline		
Odor	sulphur-like		
Odor Threshold	N/A		
Melting Point	108 - 111 °C	pH	2 - 2,8
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	N/A	Viscosity	Not available.
Partition Coefficient: n-octanol/water	N/A	Evaporation Rate	Not available.
Flash Point	Not available.	Autoignition temperature	N/A
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	14 Vol-%
		Upper	N/A
Solubility(ies)	easy soluble in water.		
Other	Bulk density 600 - 800 kg/m3 Minimum ignition energy: 50 mJ		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Not available
Hazardous Polymerization	Not available
Conditions to Avoid	Not available
Incompatible Materials	Reactions with alkalies and metals
Hazardous Decomposition Products	Nitrous gases, Sulphurous oxides (SOx)

Section 11: Toxicological Information
RTECS HA1660000

Acute Toxicity

LD50 acute oral 5050 mg/kg rat

Skin Corrosion/Irritation

N/A

Serious Eye Damage/Irritation

low irritant

Respiratory or Skin Sensitization

N/A

Germ Cell Mutagenicity

negative

Carcinogenicity

N/A

Reproductive Toxicity

N/A

Routes of Entry

Not available.

Symptoms Related to Exposure

N/A

Potential Health Effects

N/A

Target Organ(s)

N/A

Section 12: Ecological Information**Ecotoxicity**

Not available.

Persistence and Degradability

Biodegradable

Bioaccumulative Potential

N/A

Mobility in Soil

N/A

Other Adverse Effects

When discharged into biological sewage treatment plants, interference with the degradation activity of activated sludge is possible, depending on the local conditions and concentrations involved.

Section 13: Disposal Considerations**Waste Disposal**

In accordance with regulations for special waste, must be taken after pretreatment to an authorised special waste disposal site or incineration plant. Avoid attain to river or sewage system

Disposal of Container

Totally emptied packaging may be treated as household waste.

Other Considerations

N/A

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**

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: NONE Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE; Pennsylvania Right-To-Know, Hazardous substance List, Hazardous Substances and Special hazardous Substances on the list must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Massachusetts Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: NONE

Other

WHMIS CLASS D-2B: Material causing other toxic (Canada) effects (TOXIC);;DSCL (EEC) R38- Irritating to skin. R41- Risk of serious damage to eyes.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.;Splash goggles.



Safety Data Sheet

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

Acetylcysteine USP

30-1601

Section 16: Other Information

Not available.