



Material Safety Data Sheet

HAZARD WARNINGS

RISK PHRASES

The health risks of this compound have not been fully determined. Exposure may cause irritation of the skin, eyes, and respiratory system.



Section I.	Chemical Produ	ict and Cor	mpany Ide	ntificatio	on		
Chemical Name	DL-O-Phosphoserine						
Catalog Number	P0772	Not available.				TCI America 9211 N. Harborgate St.	
Synonym	Not available.					Portland OR 1-800-423-8616	
Chemical Formula	HOOCCH(NH ₂)	HOOCCH(NH ₂)CH ₂ OPO(OH) ₂					
CAS Number	17885-08-4	17885-08-4			In case of Chemtrec® Emergency (800) 424-9300 (U.S.)		
					Call	(703) 527-3887 (International)	
Section II.	Composition a	nd Informa	tion on Ing	redients	S		
Chemical Name		CAS Number	Percent (%)	Т	LV/PEL	Toxicology Data	
DL-O-Pho	sphoserine	17885-08-4	Min. 98.0 (T)	Not available).	Not available.	
Section III.	Hazards Identi	fication	•				
Acute Health Effects	exposure to any c inhaled or ingeste this compound.	No specific information is available in our data base regarding the toxic effects of this material for humans. However, exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful if inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.					
Chronic Health Effect	MUTAGENIC EFFI TERATOGENIC EI DEVELOPMENTA	CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.					
Section IV.	First Aid Measu	ıres					
Eye Contact		Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.					
Skin Contact		In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.					
Inhalation		If the victim is not breathing, perform mouth-to-mouth resuscitation. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, oxygen can be administered. Seek medical attention if respiration problems do not improve.					
Ingestion	Loosen tight cloth resuscitation. Exa	INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive.					
Section V.	Fire and Explos	sion Data					
Flammability	May be combustib	le at high temperat	ture. A	uto-Ignition	Not a	vailable.	
Flash Points	Not available.		Fla	mmable Limi	ts Not a	vailable.	
Combustion Products	These products an	These products are toxic carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂), phosphates.					
Fire Hazards	Not available.	Not available.					
Explosion Hazards		Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.					
Fire Fighting Media and Instructions	LARGE FIRE: Use	MALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet. Consult with local fire authorities before attempting large scale fire-fighting operations.					

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Section VI.	Accidental Release Measure	s				
Spill Cleanup Instructions	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning the spill by rinsing any contaminated surfaces with copious amounts of water. Consult federal, state, and/or local authorities for assistance or disposal.					
Section VII.	Handling and Storage					
Handling and Storage Information	place. Avoid excessive heat and light. D	Keep away from heat. Mechanical exhaust required. When not in use, tightly seal the container and store in a dry, coo place. Avoid excessive heat and light. Do not breathe dust. Always store away from incompatible compounds such as oxidizing agents.				
Section VIII.	xposure Controls/Personal Protection					
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.					
Personal Protection	Splash goggles. Lab coat. Dust respirator. Boots. Gloves. Suggested protective clothing might not be sufficient; consul a specialist BEFORE handling this product. Be sure to use a MSHA/NIOSH approved respirator or equivalent.					
Exposure Limits	Not available.					
Section IX.	Physical and Chemical Prop	erties				
Physical state @ 20°C	Solid. (White, Crystalline powder.)	Solubility	Not available.			
Specific Gravity	Not available.	-				
Molecular Weight	185.07	Partition Coefficient	Not available.			
Boiling Point	Not available.	Vapor Pressure	Not applicable.			
Melting Point	Not available.	- Vapor Density	Not available.			
Refractive Index	Not available.	Volatility	Not available.			
Critical Temperature	Not available.	Odor	Not available.			
Viscosity	Not available.	Taste	Not available.			
Section X.	Stability and Reactivity Data					
Stability	This material is stable if stored under proper conditions. (See Section VII for instructions)					
Conditions of Instability	Avoid excessive heat and light.	Avoid excessive heat and light.				
Incompatibilities	Reactive with oxidizing agents.					
Section XI.	Toxicological Information					
RTECS Number	Not available.					
Routes of Exposure	Eye Contact. Ingestion. Inhalation.					
Toxicity Data	Not available.					
Chronic Toxic Effects	CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.					
Acute Toxic Effects	No specific information is available in our data base regarding the toxic effects of this material for humans. However exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful i inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound. Follow safe industrial always wear proper protective equipment when handling the safe industrial hygiene protective equipment when handling the safe industrial hy					

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Section XII.	Ecological Information
Ecotoxicity	Not available.
Environmental Fate	Not available.
Section XIII.	Disposal Considerations
Waste Disposal	Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe a federal, state and local regulations when disposing of the substance.
Section XIV.	Transport Information
DOT Classification	Not a DOT controlled material (United States).
PIN Number	Not applicable.
Proper Shipping Name	Not applicable.
Packing Group (PG)	Not applicable.
DOT Pictograms	Other Regulatory Information and Pictograms
TSCA Chemical Invento (EPA)	
WHMIS Classification (Canada)	Not available.
EINECS Number (EEC	241-834-7
EEC Risk Statements	Not available.
Japanese Regulatory Da	ta Not available.
Section XVI.	Other Information
Version 1.0 Validated on 1/13/2006. Printed 1/13/2006.	

Notice to Reader

TCI laboratory chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our MSDS sheets are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated MSDS sheets for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of regulations.

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