

# Material Safety Data Sheet



PRODUCT NAME: PROPYL PARABEN

## CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: PROPYL PARABEN  
CAS #: 94-13-3  
EINECS#: 2023077  
DATE: June 15, 2007  
DISTRIBUTOR: ACME-HARDESTY COMPANY  
ADDRESS: 450 Sentry Parkway  
Blue Bell, PA 19422  
TELEPHONE: (866) 226 - 3834  
FAX: (215) 591 - 3620  
EMERGENCY: CHEMTREC (800) 424-9300

## COMPOSITION / INFORMATION ON INGREDIENTS

Substance	CAS-No.	Content
Propyl-4-Hydroxybenzoate (EC No. 202-307-7)	94-13-3	=>100%

## HAZARDS IDENTIFICATION

No particular hazards known. NON-HAZARDOUS MATERIAL

## PHYSICAL AND CHEMICAL PROPERTIES

FORM: Crystalline  
COLOR: White  
ODOR: Odorless  
pH VALUE: ca. 3.0-4.5 In Saturated Solution  
MELTING POINT: ca. 95 – 98°C  
BOILING POINT: --  
FLASH POINT: --  
FLAMMABILITY (°C): --  
SELF-IGNITION TEMP: --  
LEL: --  
UEL: --  
COMBUSTIBLE PROPERTIES: no  
VAPOR PRESSURE, (20°C): --  
DENSITY, (20°C): --  
SOLUBILITY IN WATER: Slightly Soluble (LT 0.04% @ 25°C)  
PARTITION COEFFICIENT: n-octanol/water: --  
VISCOSITY: --

## STABILITY AND REACTIVITY

STABILITY: Stable  
HAZARDOUS REACTIONS: Strong oxidizing agents, alkalis. Reactions with strong alkalis. Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.  
HAZARDOUS DECOMP. PROD.: No hazardous decomposition products known.

HMIS 1-1-0 NFPA 1-1-0

FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water spray jet, dry powder, CO<sub>2</sub>, foam , DO NOT USE Full Water jet for safety reasons  
 SPECIAL EXPOSURE HAZARDS ARISING FROM THE SUBSTANCE OR PREPARATION ITSELF, COMBUSTION PRODUCTS: Risk of formation of toxic pyrolysis products.  
 SPECIAL PROTECTIVE EQUIPMENT: Use breathing apparatus.  
 Special Exposure Hazards arising from the substance or preparation itself, combustion products: Risk of formation of toxic pyrolysis products  
 ADDITIONAL INFORMATION: None.

FIRST AID MEASURES

GENERAL INFORMATION: Not applicable.  
 INHALATION: Ensure supply of fresh air. In the event of symptoms refer for medical treatment  
 SKIN CONTACT: In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.  
 EYE CONTACT: In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.  
 INGESTION: Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.  
 ADVICE TO DOCTOR – SYMPTOMS/TREATMENT: Treat symptomatically

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Ensure adequate ventilation. Avoid dust formation  
 ENVIRONMENTAL PRECAUTIONS: Do not discharge into the drains/surface waters/groundwater.  
 METHODS FOR CLEAN-UP: Take up mechanically. Avoid raising dust. Take up with liquid – absorbent material. Dispose of absorbed material in accordance with the regulations.

HANDLING AND STORAGE

SAFE HANDLING: Avoid the formation and deposition of dust. Use only in well-ventilated areas. Provide extraction if dust is raised.  
 STORAGE ROOM AND VESSELS: Keep only in original container. Provide acid resistant floor.  
 ADVICE ON STORAGE COMPATIBILITY: Not applicable.  
 PROTECTION AGAINST FIRE AND EXPLOSION: Take precautionary measures against static discharges. Dust can form an explosive mixture with air.  
 FURTHER INFO. ON STORAGE CONDITIONS: Keep container in a well-ventilated place. Keep container tightly closed. Store in a dry place.

EXPOSURE CONTROLS / PERSONAL PROTECTION

ADDITIONAL ADVICE ON SYSTEM DESIGN EXPOSURE LIMITS SUBSTANCE:

Substance:	CAS-No.:	Value:
Propyl-4-hydroxybenzoate	94-13-3	MAK: 6mg/m <sup>3</sup> F 1995

RESPIRATORY PROTECTION: Breathing apparatus in event of high concentrations.  
 Short term: filter apparatus, Filter P1  
 HAND PROTECTION: Protective Gloves.  
 EYE PROTECTION: Protective goggles.  
 SKIN PROTECTION: Not applicable  
 GENERAL PROTECTIVE MEASURES: Avoid contact with eyes and skin. Do not inhale dust.  
 HYGIENE MEASURES: Wash hands before breaks and after work. Use barrier skin cream.

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TOXICOLOGICAL INFORMATION

	Dimension	Species	Value:
ACUTE ORAL TOXICITY	LD50	mouse	6332 mg/kg
ACUTE DERMAL TOXICITY:	LD50	rabbit	--
ACUTE INHALATION TOXICITY:	LD50	rat	--
IRRITANT EFFECT ON SKIN	--		
IRRITANT EFFECT ON EYE:	--		
SENSITIZATION:	--		
SUB ACUTE TOXICITY:	--		
CHRONIC TOXICITY:	--		
SUB CHRONIC TOXICITY:	--		
MUTAGENICITY:	--		
REPRODUCTION TOXICITY:	--		
CARCINOGENICITY:	--		
GENERAL REMARKS:	Not applicable.		

ECOLOGICAL INFORMATION

INFORMATION ABOUT ELIMINATION (BIODEGRADABILITY AND BIOACCUMULATION POTENTIAL):

Aerobic Biodegradability: 92% ThOD

Anaerobic Biodegradability: 18% ThGP

Low potential to bioaccumulate: The log Kow Value 3.04 of Propyl-4-hydroxybenzoate indicates that the material is not expected to bioconcentrate in aquatic organisms.

DEGRADABILITY ACCORDING TO LAW OF WASH AND CLEANSING AGENT (WRMG)

Not Applicable

BEHAVIOR IN ENVIRONMENT SYSTEMS:

Green Algae	EC50/LC50	72 h	15 mg/l
Daphnia Magna	EC50/LC50	48 h	15.4 mg/l
Fish (golden orfe)	NOEC	96 h	5 mg/l

AOX-INDICATION: The product does not contain substances, which can influence the AOX of waste water.

PHYSICO CHEMICAL ELIMINABILITY: N/A

BIOLOGICAL DEGRADABILITY: N/A

BIOLOGICAL ELIMINABILITY: N/A

DEGRADABILITY: N/A

BEHAVIOR IN ENVIRONMENT COMPARTMENTS:

FISH TOXICITY N/A

DAPHNIA TOXICITY N/A

BACTERIA TOXICITY N/A

BEHAVIOR IN SEWAGE PLANT N/A

CHEMICAL OXYGEN DEMAND No

BIOCHEMICAL OXYGEN DEMAND No

AOX-ADVICE No

CONTAINS HEAVY METALS AND COMPOUNDS OF 16/464/EWG: No

DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state, or national legislation.

DISPOSAL/PRODUCT: For recycling, consult manufacturer. Product must be disposed of according to local regulations pertaining to the disposal of hazardous waste. Dispose as of hazardous waste.

DISPOSAL CONSIDERATIONS, cont.

EUROPEAN WASTE CATALOG:

- 07 00 00 Wastes from organic chemical processes
- 07 06 00 Wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
- 07 06 99 Wastes not otherwise specified

DISPOSAL/CONTAMINATED PKG: Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be take for reuse.

TRANSPORT INFORMATION

LAND TRANSPORT ADR/RID

Class/Division/Group: Not dangerous good  
 UN-No.: ---  
 Description: ---

Inland waterways transport/remarks:

Marine transport/IMDG-Code

Class: Not dangerous good  
 UN-Nr.: ---  
 Packing group: ---  
 EmS: ---  
 MFAG: ---  
 Marine pollutant: ---  
 Proper shipping name: ---

Air transport/ICAO/IATA-DGR

Class: Not dangerous good  
 UN-/ID-Nr.: ---  
 Packing group: ---  
 Proper shipping name: ---

REGULATORY INFORMATION

DESIGNATION ACCORDING TO EC GUIDELINES:

The product has been classified and labeled in accordance with EC Directives/ordinance on Hazardous Materials (CHIP)

LABELING Does not require a hazard warning label, but the normal safety precautions for handling chemicals must be observed.

CLASSIFICATION: --

HAZARD SYMBOLS CONTAINS:

R PHRASES: None  
 S PHRASES: None

CONTROL OF MAJOR ACCIDENT HAZARDS (COMAH):

Not listed in COMAH

WATER HAZARD CLASS:

None

INVENTORIES:

LISTED ON TSCA, DSL, EINECS, MITI, AICS, KOREAN AND PHILLIPINE