

# Material Safety Data Sheet

PRODUCT NAME: ETHYL PARABEN

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## CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

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TRADE NAME: ETHYL PARABEN  
CAS #: 120-47-8  
DATE: March 28, 2008

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  
PRODUCT NAME: ETHYL PARABEN

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## COMPOSITION / INFORMATION ON INGREDIENTS

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Substance	CAS-No.	Content
Ethyl-4-Hydroxybenzoate (EC No. 204-399-4)	120-47-8	=>100%

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## HAZARDS IDENTIFICATION

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Information pertaining to particular dangers for man and environment – No Particular Hazards Known

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## PHYSICAL AND CHEMICAL PROPERTIES

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FORM: Crystalline  
COLOR: White  
ODOR: Odorless  
pH VALUE: ca. 3.0-4.5 in saturated solution  
MELTING POINT: ca. 115 - 118°C  
BOILING POINT: 297 - 298°C  
FLASH POINT: --  
FLAMMABILITY (°C): --  
SELF-IGNITION TEMP: --  
LEL: --  
UEL: --  
COMBUSTIBLE PROPERTIES: no  
VAPOR PRESSURE, (20°C): --  
DENSITY: --  
SOLUBILITY IN WATER: Slightly soluble (LT 0.12% at 25°C)  
VISCOSITY: --

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### STABILITY AND REACTIVITY

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STABILITY: Stable  
HAZARDOUS REACTIONS: Strong oxidizing agents, 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.

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### FIRE FIGHTING MEASURES

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SUITABLE EXTINGUISHING MEDIA: Water spray jet, dry powder, CO<sub>2</sub>, foam  
EXTINGUISHING MEDIA THAT MUST NOT BE USED FOR SAFETY REASONS: Full water jet  
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.  
ADDITIONAL INFORMATION: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations

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### FIRST AID MEASURES

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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 AND TREATMENT: Treat symptomatically

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### ACCIDENTAL RELEASE MEASURES

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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.

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### HANDLING AND STORAGE

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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.  
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.

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EXPOSURE CONTROLS / PERSONAL PROTECTION

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	<b>Substance</b>	<b>CAS-No.</b>	<b>Value</b>
	Ethyl-4-Hydroxybenzoate	120-47-8	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

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	<b>Dimension</b>	<b>Species</b>	<b>Value:</b>
ACUTE ORAL TOXICITY	LD50	mouse	6000 mg/kg
ACUTE DERMAL TOXICITY:	LD50	rabbit	--
ACUTE INHALATION TOXICITY:	LC50	rat	--
IRRITANT EFFECT ON SKIN	--		
IRRITANT EFFECT ON EYE:	--		
SENSITIZATION:	--		
SUB ACUTE TOXICITY:	--		
CHRONIC TOXICITY:	No adverse chronic effects are known, in case of normal use.		
SUB CHRONIC TOXICITY:	--		
MUTAGENICITY:	No		
REPRODUCTION TOXICITY:	No		
CARCINOGENICITY:	No		

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ECOLOGICAL INFORMATION

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INFORMATION ABOUT ELIMINATION (BIODEGRADABILITY AND BIOACCUMULATION POTENTIAL):

Aerobic biodegradability:	89% ThOD
Anaerobic biodegradability:	33% ThGP
Low potential to bioaccumulate:	The low log Kow value 2.47 of Ethyl-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	18 mg/l
Daphnia Magna	EC50/LC50	48 h	20-50 mg/l
Fish (golden orfe)	NOEC	96 h	20 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

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ECOLOGICAL INFORMATION, cont.

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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

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DISPOSAL CONSIDERATIONS

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DISPOSAL / PRODUCT: Disposal should be in accordance with local, state, or federal regulation.  
For recycling, consult manufacturer.

EUROPEAN WASTE CATALOG: 07 00 00 Wastes from organic chemical processes  
07 06 00 Wastes from MFSU of fats, grease, soaps, detergents, disinfectants & 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.

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TRANSPORT INFORMATION

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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	---

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REGULATORY INFORMATION

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DESIGNATION ACCORDING TO EC GUIDELINES: The product has been classified and labeled in accordance with  
EC Directives/Ordinance on Hazardous Materials (CHIP)

CODE LETTER AND HAZARD DESIGNATION OF PRODUCT: None

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

HAZARD SYMBOLS CONTAINS:

R PHRASES:	None
S PHRASES:	None

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REGULATORY INFORMATION, cont.

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HAZARD SYMBOLS CONTAINS:

R PHRASES: None

S PHRASES: None

INVENTORIES:

TSCA: Listed

DSL, EINECS-2027857: Listed

JAPAN (3)-1585 AICS: Listed

KOREA-K-20379: Listed

CHINA, SWITZERLAND G-2363: Listed

NEW ZEALAND: Listed

PHILIPPINES: Listed

CONTROL OF MAJOR ACCIDENT HAZARDS (COMAH) Not listed in COMAH

WATER HAZARD CLASS: None

HMIS: HEALTH: 0 FLAMMABILITY: 1 REACTIVITY: 0 SPECIAL: None

The data herein are based on our current knowledge and believed to be reliable. Acme-Hardesty Co., provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

Users must make their own determination that handling, storage and use of the product in the anticipated manner is safe and appropriate. Because these actions of the user are out of our control, and may be beyond our knowledge, we do not assume responsibility and expressly disclaim liability for loss, damage, expense or any other claim arising out of or in any way connected with the handling, storage, use or disposal of the product.

Disposal of containers must comply with applicable federal, state and local laws and regulations. Empty containers should never be given to individuals.