

Material Safety Data Sheet



PRODUCT NAME: ETHYL PARABEN

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: ETHYL PARABEN
CAS #: 120-47-8
DATE: July 20, 2007
DISTRIBUTOR: ACME-HARDESTY COMPANY
ADDRESS: 450 Sentry Parkway
Blue Bell, PA 19422
TELEPHONE: (866) 226-3834
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EMERGENCY: CHEMTREC (800) 424-9300
PRODUCT NAME: ETHYL PARABEN

COMPOSITION / INFORMATION ON INGREDIENTS

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

HAZARDS IDENTIFICATION

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

PHYSICAL AND CHEMICAL PROPERTIES

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: --

STABILITY AND REACTIVITY

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.

FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water spray jet, dry powder, CO₂, 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

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 AND 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.

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

| Substance | CAS-No. | Value |
|-------------------------|----------|--------------------------------|
| Ethyl-4-Hydroxybenzoate | 120-47-8 | MAK: 6mg/m ³ 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.

TOXICOLOGICAL INFORMATION

| | Dimension | Species | Value: |
|----------------------------|--|---------|------------|
| 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 | | |

ECOLOGICAL INFORMATION

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 |
| 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 / 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.

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)

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

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