



Material Safety Data Sheet

PRODUCT NAME: METHYL PARABEN

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: METHYL PARABEN
CAS #: 99-76-3
EINECS#: 2027857
DATE: March 29, 2008

SUPPLIER: MCKINLEY RESOURCES
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COMPOSITION / INFORMATION ON INGREDIENTS

Substance	CAS-No.	Content
Methyl-4-Hydroxybenzoate (EC No. 202-785-7)	99-76-3	=>100%

HAZARDS IDENTIFICATION

No particular hazards known. NON-HAZARDOUS MATERAIL

PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Crystalline
COLOR:	White
ODOR:	Odorless
pH VALUE:	ca. 3-4.5 Saturated Solution
MELTING POINT:	ca. 125 - 128°C
BOILING POINT:	270 - 280°C
FLASH POINT:	Not applicable
FLAMMABILITY (°C):	--
SELF-IGNITION TEMP:	--
LEL:	--
UEL:	--
COMBUSTIBLE PROPERTIES	no
VAPOR PRESSURE, (20°C):	--
DENSITY:	--
SOLUBILITY IN WATER	Difficult to dissolve
PARTITION COEFFICIENT: n-octanol/water:	--
VISCOSITY:	Not applicable

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STABILITY AND REACTIVITY

HAZARDOUS REACTIONS: 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, CO₂, foam DO NOT USE Full Water jet for safety reasons

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 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.	Content
	Methyl-4-Hydroxybenzoate (EC No. 202-785-7)	99-76-3	=>100%
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	rat	>5600 mg/kg
ACUTE DERMAL TOXICITY:	LD50	rabbit	--
ACUTE INHALATION TOXICITY:	LD50	rat	--
IRRITANT EFFECT ON SKIN	No significant effects known		
IRRITANT EFFECT ON EYE:	No significant effects known		
SENSITIZATION:	No significant effects known		
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		
GENERAL REMARKS:	Not applicable.		

ECOLOGICAL INFORMATION

INFORMATION ABOUT ELIMINATION (BIODEGRADABILITY AND BIOACCUMULATION POTENTIAL):				
Aerobic biodegradability: 92% ThOD				
Anaerobic biodegradability: 40% ThGP				
Low potential to bioaccumulate: The low log Kow value 1.96 of Methyl-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	91 mg/l
	Daphnia Magna	EC50/LC50	48 h	11.2 mg/l
	Fish (golden orfe)	NOEC	48 h	50 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			



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ECOLOGICAL INFORMATION, cont.

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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

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 legislation.
For recycling, consult manufacturer.

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.

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TRANSPORT INFORMATION

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LAND TRANSPORT ADR/RID

Class/Division/Group: Not a dangerous good

INLAND WATERWAYS TRANSPORT / REMARKS

Marine transport/IMDG-Code

Class: Not a dangerous good

AIR TRASPOT / ICAO / IATA-DGR

Class: Not a dangerous good

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TRANSPORT INFORMATION

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Air transport/ICAO/IATA-DGR

Class: No 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.



REGULATORY INFORMATION, cont.

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	Listed
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: 1 FLAMMABILITY: 1 REACTIVITY: 0 SPECIAL: None

NFPA: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

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