



## SAFETY DATA SHEET

## Benzoic Acid

REVISION DATE: 21st January 2008

## 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME Benzoic Acid  
 SYNONYMS, TRADE NAMES Benzenecarboxylic Acid  
 SUPPLIER  
 LINDCHEM LTD  
 29 NORTH RIVER ROAD  
 GREAT YARMOUTH  
 NORFOLK  
 NR30 1SH

SDS No. B012  
 Emergency Contact Number (Office Hours) +441493 332286

## 2 HAZARDS IDENTIFICATION

Irritating to eyes and respiratory system.

CLASSIFICATION Xi;R36/37.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

EC (EINECS) NO. 200-618-2  
 CAS-NO. 65-85-0

## 4 FIRST-AID MEASURES

## INHALATION

Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

## INGESTION

Rinse mouth thoroughly. Drink plenty of water. Do not induce vomiting. Never give liquid to an unconscious person. Get medical attention if any discomfort continues.

## SKIN CONTACT

Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if any discomfort continues.

## EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention.

## 5 FIRE-FIGHTING MEASURES

## EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

## UNUSUAL FIRE &amp; EXPLOSION HAZARDS

Fire or high temperatures create: Forms explosive mixtures with air.

## SPECIFIC HAZARDS

Fire creates: Vapours/gases/fumes of: Phenols, cresols. Benzene. Oxides of: Carbon.

## PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

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**6 ACCIDENTAL RELEASE MEASURES**

## PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

## ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

## SPILL CLEAN UP METHODS

Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

**7 HANDLING AND STORAGE**

## USAGE PRECAUTIONS

Provide good ventilation. Avoid generating excess dust.

## STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place. Avoid heat, flames and other sources of ignition.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

## PROTECTIVE EQUIPMENT



## ENGINEERING MEASURES

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of dust.

## RESPIRATORY EQUIPMENT

No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m<sup>3</sup>.

## HAND PROTECTION

PVC gloves are recommended.

## EYE PROTECTION

Wear approved safety goggles.

## HYGIENE MEASURES

Wash contaminated clothing before reuse. Wash hands after handling. When using do not eat, drink or smoke.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Flakes		
COLOUR	White / off-white		
SOLUBILITY	Soluble in Alcohol Ether. Benzene. Chloroform		
BOILING POINT (°C)	249	MELTING POINT (°C)	122
RELATIVE DENSITY	1.32	pH-VALUE, CONC. SOLUTION	<7
FLASH POINT (°C)	121 P/M Pensky-Martens.	AUTO IGNITION TEMPERATURE (°C)	574
SOLUBILITY VALUE (g/100g H <sub>2</sub> O@20°C)	0.29		

**10 STABILITY AND REACTIVITY**

## STABILITY

Stable under normal temperature conditions.

## CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

## MATERIALS TO AVOID

Strong oxidising substances. Strong alkalis. Strong reducing agents.

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## HAZARDOUS DECOMPOSITION PRODUCTS

Phenols, cresols. Benzene. Oxides of: Carbon.

## 11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50                    2530 mg/kg (oral rat)

## INHALATION

May cause irritation to the respiratory system.

## INGESTION

May cause discomfort if swallowed.

## SKIN CONTACT

Irritating to skin.

## EYE CONTACT

Irritation of eyes and mucous membranes.

## 12 ECOLOGICAL INFORMATION

LC 50, 96 Hrs, FISH mg/l                &gt;100 EC

50, 48 Hrs, DAPHNIA, mg/l            &gt;100 IC

50, 72 Hrs, ALGAE, mg/l                10 - 100

## MOBILITY

The product has poor water-solubility.

## BIOACCUMULATION

The product is not bioaccumulating.

## DEGRADABILITY

The product is easily biodegradable.

## 13 DISPOSAL CONSIDERATIONS

## DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

## 14 TRANSPORT INFORMATION

ROAD TRANSPORT NOTES                Not Classified

RAIL TRANSPORT NOTES                 Not Classified.

SEA TRANSPORT NOTES                 Not Classified.

AIR TRANSPORT NOTES                 Not Classified.

## 15 REGULATORY INFORMATION

## LABELLING



Irritant

## RISK PHRASES

R36/37

Irritating to eyes and respiratory system.

## SAFETY PHRASES

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

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APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

CHIP for everyone HSG(108).

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### 16 OTHER INFORMATION

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ISSUED BY

Univar Ltd

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REV. NO./REPL. SDS GENERATED 03

SDS NO. B012

SAFETY DATA SHEET STATUS

Approved.

DATE Gillian Sutton