



SAFETY DATA SHEET

BENZYL ALCOHOL

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product name: BENZYL ALCOHOL

Recommended use: Chemical for industrial

Manufacturer/Supplier: **MODERN CHEMICAL CO.,LTD.**
82/80 Soi Ekamai 22 (Nuannoi), Sukhumvit 63,
Klong Tan Nuea, Watthana, Bangkok 10110

Telephone No: 0-2715-0897-9, 0-2392-3410-3

Fax No: 0-2715-0908-9, 0-2391-1571-2

Emergency Telephone No: 0-2715-0897-9, 0-2392-3410-3

2. HAZARDS IDENTIFICATION

Label elements

Pictogram



Signal word

Warning

Hazard statement(s):

- 1.) Harmful if swallowed.
- 2.) Harmful if inhaled.

Precautionary statement(s):

- 1.) Avoid breathing dust/fume/gas/mist/vapours/spray.
- 2.) Wash hands thoroughly after handling.
- 3.) Do not eat, drink or smoke when using this product.
- 4.) Use only outdoors or in a well-ventilated area.
- 5.) IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- 6.) IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.



- 7.) Call a POISON CENTER or doctor/physician if you unwell.
- 8.) Rinse mouth.
- 9.) Dispose of contents/container in according with local regulation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym: Benzenemethanol; Phenylcarbinol; Phenylmethyl alcohol; Alpha-Hydroxytoluene; Benzoyl alcohol; Hydroxytoluene; Benzenecarbinol; Alpha-toluenol; (hydroxymethyl)benzene

Ingredients	% (w/w)	CAS NO.
BENZYL ALCOHOL	100	100-51-6

4. FIRST AID MEASURES

- General advice:** In all cases of doubt, or when symptoms persist, seek medical attention.
- Inhalation:** Move exposed person to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self contained breathing apparatus. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- Ingestion:** Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.



Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

In case of fire, use water spray (fog), dry chemical or carbon dioxide.

Unsuitable Extinguishing Media:

Never use water jet.

Specific hazards arising from Chemicals:

In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include the following materials: carbon oxides.

Special protective equipment for fire-fighters:

Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode. Never use water jet. Cool closed containers exposed to fire with water.

6. ACCIDENTAL RELEASE MEASURES

Precautions:

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapor or mist. Provide adequate ventilation. Put on appropriate personal protective equipment (see section Exposure controls/personal protection).

Environmental precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and Material for Containment and Clean Up:

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.



Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section: Disposal considerations). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

7. HANDLING AND STORAGE

Precautions for Safe Handling & Product Transfer:

Put on appropriate personal protective equipment (see section: Exposure controls/personal protection). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous.

Conditions for Safe Storage & Unsuitable Materials:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section Stability and reactivity) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: Long-term exposure limit 5 mg/m³

Appropriate Engineering Controls: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual Protection Measures

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or



anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: Combination filter, e.g. DIN 3181 ABEK if product forms vapors.

Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. After contamination with product change the gloves immediately and dispose of them according to relevant national and local regulations
Recommended: (<1 hour) Butyl rubber – IIR, Fluorinated rubber – FKM, Polyvinyl chloride – PVC.

Eye protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Recommended: Safety glasses.

Skin and body protections:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form, Color and Odor : liquid, colourless	Evaporation rate : N/A
Melting Point : -15.4 °C	Specific gravity : 1.043 - 1.048 g/cm ³ at 20 °C
pH : N/A	Solubility in water : Soluble 40 g/l at 25 °C
Boiling point : 205.31 °C	Viscosity : N/A
Vapour pressure : 7 Pa at 20 °C	Vapour density : N/A
Lower explosive limits: N/A	Upper explosive limits: N/A
Auto-ignition temperature: 436 °C	Flash Point: 100.4 °C
Odour threshold: N/A	Flammability (solid, gas): N/A
Decomposition temperature: N/A	Solubility in other solvents: N/A
n-octanol/water partition coefficient (log P_{ow}): 1.05	



10. STABILITY AND REACTIVITY

Chemical Stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
Reactions:	The substance is stable under normal storage and handling conditions.
Possibility of Hazardous Reactions:	No dangerous reactions known.
Conditions to avoid:	Incompatible materials.
Materials to avoid:	Strong oxidizing agents
Hazardous decomposition products:	Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	LD50 (Oral, rat): 1620 mg/kg
Sensitization:	No data available
Chronic toxicity:	No data available
Further toxicological information:	No data available

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish:	LC50 - Fish: 460 mg/l -96 h
Toxicity to daphnia and other aquatic invertebrates:	EC50 - Daphnia magna: 230 mg/l -48h
Toxicity to algae:	EC50 - Algae: 500 mg/l -72h
Toxicity to bacteria:	No data available
Biodegradability Remarks:	Readily biodegradable.
Bioaccumulative Potential:	log Pow = 1.05
Mobility:	The product is very soluble in water.
Affected in any other way:	No data available

13. DISPOSAL CONSIDERATIONS

Material Disposal:	Due to the high risk of contamination recycling/recovery is not recommended. Waste disposal in accordance with regulations (most probably controlled incineration).
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Container Disposal: According to local regulations. Emptied container might retain product residues. Follow all warnings even after the container is emptied.

14. TRANSPORT INFORMATION

ADR/ADNR

Not regulated

IMGD

Not regulated

IATA

Not regulated

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Relevant information regarding authorization: Not applicable.

Relevant information regarding restriction: Not applicable.

Other EU regulations: Employment restrictions concerning young person must be observed. For Use only by technically qualified individuals.

Other National regulations: Not applicable.

Chemical Safety Assessment has been carried out? Yes No

16. OTHER INFORMATION

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