

MATERIAL SAFETY DATA SHEET

1. Chemical Product & Company Identification

Product Name :	BENZYL ALCOHOL
Synonyms :	Benzene Methnaol, Phenylcarbinol, Phenylmethanol
Uses :	In the Chemical, Fragrance and paint Industries
Supplier :	M/s. Gujarat Alkalies & Chemicals Limited. P.O. Petrochemicals, Dist. Vadodara Pin code no. 391 346 State – Gujarat, INDIA
Telephone Number :	Telephone No. 2232681, 2232981 –82, 2232039

2. HAZARDS IDENTIFICATION

Pictogram



Signal word	warning
Hazard statement(s):	
H302 + H312 + H332	Harmful if swallowed, in contact with skin or if inhaled
H315	Causes skin irritation.
H401	Toxic to aquatic life.
Precautionary Statements (s)	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing.
P301+P312	If SWALLOWED. Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352	If on SKIN : Wash with plenty of soap and water.
P304+P340	IF INHALED : Remove victim to fresh air & keep at rest in a position comfortable for Breathing.
P330	Rinse mouth
P332 + P313	If skin irritation occurs : Get medical advice /attention.
P362	Take off contaminated clothing and wash before reuse.
P501	Dispose of contents /container to an approval waste disposal plant.
P305 + P351 + P338	If in eyes : Rinse cautiously with water for several minutes. Remove contact lenses if Present and easy to do continue rinsing.



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3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C₇H₈O
Molecular weight : 108.14g/mol

Components	CAS Number	Concentration	Risk Phrases
Benzyl Alcohol	100-51-6	< = 100%	R20/22

4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE FIGHTING MEASURES

Hazards from combustion products

Combustible liquid

Precautions for fire fighters and special protective equipment.

On burning will emit toxic fumes, including those of oxides of carbon. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapor or products of combustion.

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedure

Avoid breathing vapours, mist or gas. Ensure adequate ventilation.



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Environmental precaution

Prevent further leakage or spillage if safe to do so. Do not let product enter drains, Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Soak up with inert absorbent materials and dispose of as hazardous waste. Keep in suitable closed containers for disposal.

7. HANDLING AND STORAGE

Conditions for safe storage

Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials . store away from sources of heat or ignition. Store under nitrogen. Keep containers closed when not in use.

Precautions for safe handling

Avoid skin and eye contact and breathing in vapour, mists and aerosols.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits :

No value assigned for this specific materials by the National Occupational Health and safety Commission.

Engineering controls:

Use in well ventilated areas. If inhalation risk exists. Use with local exhaust ventilation or while wearing organic vapour respirator. Vapour heavier than air prevent concentration in hollows or sumps. Do not enter confined spaces where vapour may have collected. keep containers closed when not in use.

Personal Protective Equipment:

The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. Always wash hands before smoking ,eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.





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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	Liquid
Colour	:	Colourless
Odour	:	Faint Aromatic
Odour Threshold	:	5.5 ppm
Solubility	:	Practically insoluble in water, soluble in methanol,, acetone, ether, chloroform, And benzene
Specific Gravity	:	1.042
Relative Vapor density	:	3.72
Vapour Pressure(20°C)	:	0.01kpa
Flash Point (°C)	:	97
Autoignition Temperature	:	436
Solubility in water(g/l)	:	40@ 20°C
Boiling point	:	206
Decomposition Point(°C)	:	403
pH	:	Neutral (Aqueous solution)
Viscosity	:	5.8mp.s@20°C
Partition Coefficient	:	Log Pow = 1.10
Freezing Point	:	-15.4

10. STABILITY AND REACTIVITY

Chemical stability	:	Stable under normal ambient and anticipated storage and handling conditions Of temperature and pressure.
Conditions to avoid	:	Avoid exposure to heat, sources of ignition, and open flame. Avoid exposure to Air.
Incompatible materials	:	Incompatible with air, oxidizing agents, acids, aluminium, and iron
Hazardous decomposition	:	Oxides of Carbon.
Hazardous reactions	:	Hazardous polymerization will not occur

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms of effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion	:	Swallowing can result in nausea. Vomiting, diarrhea, and abdominal pain.
Eye contact	:	Contact with skin may result in irritation. Will have a degreasing action on the Skin. May causes skin sensitization in sensitive individuals. Repeated or





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Inhalation	:	Prolonged skin contact may lead to allergic contact dermatitis. Breathing in vapour can result in headaches, dizziness, drowsiness, and Possible nausea. May cause respiratory sensitisation in sensitive individuals, Producing asthma like symptoms.
Long Term Effects	:	No information available for the product.
Toxicological Data	:	Oral LD50 (rat) : 1230mg/kg Oral LD50 (mice): 1360mg/kg Dermal LD50(rabbit):2000mg/kg Inhalation LC50 (rat): > 4.178 mg/L/4hours

12. ECOLOGICAL INFORMATION

Ecotoxicity	:	Avoid contaminating waterways
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13. DISPOSAL CONSIDERATIONS

Disposal methods	:	Dispose of material offer surplus and non-recyclable solutions to a licensed Disposal company.
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14. Transport information

Road and Rail Transport

Not classified as dangerous Goods for transport by Road and Rail. :- NON-DANGEROUS GOODS

Marine Transport

Not classified as Dangerous Goods by the criteria of the international Maritime Dangerous Goods(IMDG Code) for transport by sea. :NON-DANGEROUS GOODS.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.: NON-DANGEROUS GOODS

15. REGULATORY INFORMATION

Hazard Category	:	Xn: Harmful
Risk Phrase(s)	:	R20/22 : Harmful by inhalation and if swallowed.
Safety Phrase(S)	:	S23: Do not breathe vapor/mist/aerosol





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S24/25: Avoid contact with skin and eyes

S26: In case of contact with eyes, rinse immediately with plenty of water and Seek medical advice.

S37/39: Wear suitable gloves and eye/face protection

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S45: In case of accident or if you feel unwell, seek medical advice immediately.

16 OTHER INFORMATION

NFPA Hazard ID

Health Hazard : 2

Fire Hazard : 2

Reactivity Hazard : 0

Hazard rating : 0- Minimal; 1 – Slight; 2- Moderate ; 3 – Serious ;4 - Severe

This SDS summarises to our best knowledge , The Chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace.

