



**BHARAT PETROLEUM CORPORATION LTD.
KOCHI REFINERY**

SAFETY DATA SHEET OF NATURAL RUBBER MODIFIED BITUMEN

1. CHEMICAL IDENTITY

Chemical Name : Natural Rubber Modified Bitumen		
Chemical Classification : No data Available		
Synonyms : Rubberised Bitumen.		
Trade Name : NRMB -70		
Formula : NA	C.A.S.No.: NA	UN No.: NA
Regulated Identification Shipping Name : NA Codes/Label : NA Hazardous waste I.D. : NA Hazchem Code : NA		
HAZARDOUS INGREDIENTS: NA	C.A.S. No.: NA	Weight %

2. PHYSICAL AND CHEMICAL DATA

Boiling Point/Range °C	NA
Physical State	Solid
Appearance	Black coloured Solid
Vapor pressure	NA
Melting/Freezing Point °C	NA
Odor	Pungent
Vapor Density light(At 20°C)	NA
Solubility in water @ 30°C	Insoluble
Others	Soluble in TCE
Specific Gravity(Water = 1)	> 1.0 at 20°C
pH (10% Solution)	NA



**BHARAT PETROLEUM CORPORATION LTD.
KOCHI REFINERY**

3. FIRE AND EXPLOSION HAZARD DATA

Flammability : Yes	LEL : NA	Flash Point ⁰ C: 220 (QC)
TDG Flammability : NA	UEL : NA	Flash Point ⁰ C : NA (CC)
Auto-ignition Temperature ⁰ C : NA		
Explosion Sensitivity to Impact : NA		
Explosion Sensitivity to Static Electricity : NA		
Hazardous Combustion products : NA		
Hazardous Polymerization : NA		
Combustible : Yes	Explosive Material : NA	Corrosive Material : NA
Flammable Material : No	Oxidizer : NA	Others : NA
Pyrophoric Material : NA	Organic Peroxide : NA	

4. REACTIVITY DATA

Chemical Stability : Stable at ambient temperature
Incompatibility with Other Material : NA
Reactivity : Conc. Nitric acid
Hazardous Reaction products : NA



BHARAT PETROLEUM CORPORATION LTD. KOCHI REFINERY

5. HEALTH HAZARD DATA

ROUTES OF ENTRY

Inhalation, ingestion, skin absorption and eye contact.

Effects of Exposure/ Symptoms

Inhalation : NA

Skin : May cause slight irritation

Ingestion : May be slightly toxic if swallowed.

EMERGENCY TREATMENT

Inhalation : Remove subject from exposure and move to fresh air immediately.

Skin & eyes : Wash with soap and plenty of water. Remove contaminated clothing. Flush eyes with plenty of water for at least 15 minutes.

LD₅₀ (Oral-Rat) mg/kg : NA

Odor Threshold ppm : NA

Exposure Limit : NA

TLV (ACGIH) : NA

STEL ppm. : NA

NFPA Hazard Signals

Health : 1 Flammability : 1 Reactivity : NA Special : NA

6. PREVENTIVE MEASURES

Personal Protective Equipment : Safety glasses with side-shields Eye protection, Use appropriate approved gloves, Facilities storing or utilizing this material should be equipped with an eyewash facility.

Handling and Storage : Use adequate ventilation. Wash thoroughly after handling. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure. Store in a dry, well-ventilated place.



BHARAT PETROLEUM CORPORATION LTD. KOCHI REFINERY

7. EMERGENCY AND FIRST AID MEASURES

FIRE

Fire Extinguishing Media : Water spray, DCP.

Special Procedure : NA

Hazards : NA

EXPOSURE

First Aid Measures:

All treatments should be based on observed signs and symptoms of distress in the patient. In case of skin contact wash with soap and plenty of water. Remove contaminated clothing. In case of eye contact flush eyes with plenty of water for at least 15-20 minutes. In case of ingestion give person plenty of water. Seek Medical attention.

Antidotes/Dosages: Not available

SPILLS

Steps to be taken:

Dispose off according to state and local disposal regulations.

Waste Disposal Method:

Whatever cannot be saved for recovery or recycling should be managed in an approved waste disposal facility and should be according to State and local disposal regulations.

8. ADDITIONAL INFORMATION/REFERENCES

ADDRESS : BPCL- KOCHI REFINERY,
PB No. 2
Ambalamughal-682 302
Ernakulam Dt., Kerala
Tel: 0484-2722061
Website: bharatpetroleum.in