

# MATERIAL SAFETY DATA SHEET

MSDS/R2/240102/MR

## 1. PRODUCT IDENTIFICATION

**Trade Name:** GIVUL MR

**Product :** Latex GIVUL MR is natural rubber latex of 59% Dry Rubber content in water. It contains 0.6% by weight of ammonia.

**Chemical Family :** Natural rubber latex concentrate consisting mainly of Cis 1, 4, Polyisoprene

**Formula:**  $- [ CH_2 - C ( CH_3 ) = CH - CH_2 ]_n -$

## 2. COMPOSITION

**Substances Posing a Health Hazard**

Ammonia Solution Xi

**Substances Subjects to a Recognised Exposure Limits.**

Ammonia – 25 ppm (8 hr TWA)

**R and S phases appropriate to the above**

R 36/37/38 S7 – 26

## 3. HAZARDS IDENTIFICATION

**Most Important Hazards to Man**

Irritant

**Most Important Hazards to the Environment**

Ammonia is a preservative against bacteria

## 4. FIRST AID MEASURES

**INHALATION:**

**Symptoms**

Irritate to mucous membrane of respiratory tract, coughing, dyspnoea and vomiting.

**Immediate First Aid**

Not necessary unless excessive exposure to ammonia.

Remove from source of contamination.

**SKIN CONTACT:**

Delayed Onset of Symptoms is Possible

**Symptoms**

Allergic response (dermatitis)

**Immediate First Aid**

Wash with plenty of water.

**Medical Assistance**

If symptoms persist seek medical advice.

**EYE CONTACT:**

**Symptoms**

Irritation of eyes, conjunctivitis.

Drying of latex leaving rubber deposit.

**Immediate First Aid**

Immediately wash with plenty of water.

**Medical assistance**

Seek medical help.

## 5. FIRE FIGHTING MEASURES

### Suitable Extinguishing Media

No special requirement.

### Extinguishing Media that Must NOT be used

Nil

### Exposure Hazards

#### From Preparation

If contact with skin, wash with plenty of water. Wear protective clothing and mask.

#### From Combustion Products

Toxic fumes and smoke are liberated.

Wear protective mask.

#### From Resulting Gases

See above.

### Special Protective Equipment for Fire Fighters

Impervious overalls, boots and gloves.

## 6. ACCIDENTAL RELEASE MEASURES

### Personnel Precautions:

#### Removal of Ignition Sources

The product is low flammability but if water is evaporated, dry product could burn.

#### Provision for Ventilation / Respiratory Protection

Care should be taken to ensure that atmosphere concentration of ammonia in working environment are reduced as far below the Occupational Exposure Std (see Ref. 1). Working areas should be well ventilated. Respiratory protection is only required when ventilation is inadequate.

#### Control of Dust

Not relevant.

#### Environment Precautions:

It is recommended that the latex is coagulated by acid and serum neutralized, solid waste normally disposed of as "Notifiable Waste".

## 7. HANDLING AND STORAGE SAFETY

### Safe Handling Procedure

No special precaution other than wear protective goggles, gloves, mask, clothing, ensure well ventilation.

### Safe Storage Procedures

Keep container tightly closed in a cool well ventilated place.

High standards of industrial hygiene should be maintained (see Ref. 2).

## 8. EXPOSURE CONTROL / PERSONNEL PROTECTION

### Respiratory Protection

Wear protective mask.

### Hand Protection

Wear protective gloves.

### Eye Protection

Wear goggles.

### Skin Protection

Wear protective clothing, gloves and boots.

Overall work wear may be used.

**9. PHYSICAL & CHEMICAL PROPERTIES**

<b>Appearance</b>	White suspension in water
<b>Odour</b>	Pronounced ammonia.
<b>pH</b>	10.0 – 11.0
<b>Boiling Point</b>	Same as water
<b>Melting Point</b>	(Not Applicable) N/A
<b>Flash Point</b>	N/A
<b>Flammability</b>	N/A
<b>Explosive Properties</b>	None
<b>Oxidizing Properties</b>	N/A
<b>Vapour Pressure</b>	N/A
<b>Specific Gravity</b>	0.95 – 0.96
<b>Solubility – Water</b>	Miscible
<b>- Oil</b>	Insoluble

**10. STABILITY & REACTIVITY****Conditions To Avoid**

Avoid excessive exposure to ammonia when opening drums of latex.  
Exposure of large surface in poorly ventilated room.

**Material To Avoid**

Nil

**Hazardous Decomposition Products**

Dry products when heated or ignited will give off toxic fumes and smoke.

**11. TOXICOLOGICAL INFORMATION**

<b>LD</b>	No Data
<b>Sensitization</b>	No Data
<b>Corrosive / Irritant</b>	Irritant
<b>Reproductive Toxicity</b>	No Data

**12. ECOLOGICAL INFORMATION**

<b>Effects of Preparation</b>	No Data
<b>Behaviour of Preparation</b>	No Data
<b>Rate of Preparation</b>	No Data
<b>Mobility</b>	No Data
<b>Persistence / Biodegradability</b>	No Data, expected to be biodegradable
<b>Bioaccumulative Potential</b>	No Data, expected to be none.
<b>Aquatic Toxicity / Ecotoxicity</b>	No Data, expected to be none.

**13. DISPOSAL CONSIDERATIONS****Appropriate Disposal Method**

Do not pour into drain or soil.  
Dispose in accordance to Local Statutory Regulations.

**Of Product**

Solid waste after coagulation could be burned in an incinerator.

**Of Containers**

No special requirement.

**14. TRANSPORT INFORMATION**

**UN, NO** None  
**RID / ADR / IMDG** No restriction for transport purposes.

**15. REGULATORY INFORMATION**

**CFD** Ammonia solution is an irritant  
**Limits** 25 ppm in air 8 hr TWA  
35 ppm in air 10 min TWA

**16. OTHER INFORMATION**

- CAS No. 9006/04/6
- EINECS No. 2336890
- The products are manufactured by GETAHINDUS (M) SDN. BHD., factory in Tangkak, Malaysia.
- Products may contains 0.6% by weight of ammonia.

**17. REFERENCES**

1. Occupational Exposure Limits for 10., Guidance Note EH40/....; issue annually by the UK Health and Safety Executive.
2. Toxicity and Safe Handling of Rubber Chemicals, BRMA Codes of Practice 197 published by BRMA Ltd., Birmingham 1.

**18. PRODUCER**

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**19. Presented by DISTRIBUTOR**

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