

MATERIAL SAFETY DATA SHEET

MSDS/R2/240102/MRS

1. PRODUCT IDENTIFICATION

Trade Name: GIVUL MRS

Product : Latex GIVUL MRS 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

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

LD	No Data
Sensitization	No Data
Corrosive / Irritant	Irritant
Reproductive Toxicity	No Data

12. ECOLOGICAL INFORMATION

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