



## Material Safety Data Sheet

Produced/Export by	Thai Hua Rubber Public Company Limited 238/1 Ratchada Pisek Road, Huy Kwang, Bangkok, Thailand 10320	Contact	+662 274 0741 qad@thaihua.com
		Prepared	QAD Manager
		Date	05 September 2022

### Section I : Product Information

Product	Natural Rubber Latex
Intended for use	Dipping and Adhesive latex products.

### Hazardous Material Information System

Health	1	Flammability	2	Reactivity	0	Protection	X
0 Normal use material		0 Will not burn		0 Stable		X = Consult the MSDS and supervisor	
1 Slight Hazard (temporary)		1 Possible to burn		1 Unstable if heated		For special workplace needs	
2 Health Affected (lengthy)		2 Burns if heated		2 Violent Chemical Change			
3 Extreme Danger		3 Easily Burns		3 Shock and Heat Sensitive			
4 Severe or Fatal		4 Very Easily Burns		4 May Explode			

\* Chronic (Accumulates)

Note The HMIS may not be enough hazard information for this chemical in all workplace. The HMIS system requires employee training about the system and the information in this MSDS.

### Section 2: Ingredient Information

Chemical/Common Name	CAS-Number	%	Hazard Classification
Natural Rubber (cis 1,4 poly isoprene)	9006-04-6	61-62%@solid	None noted
Ammonia	7664-41-7	0.29-0.60@solution	2.3 (Non Degree)

### Section 3: Hazards Identification

Emergency Overview:	Centrifuged Natural rubber latex preserved with ammonia.
Potential Acute Health Effects	Ammonia vapors may cause burning eyes, runny nose, coughing and possible chest pain
Potential Chronic Health Effects	No know carcinogenic, mutagenic, teratogenic effects. Repeated or prolonged exposure is not known to aggravate medical conditions

### Section 4: First Aid Measures

Skin	Wash with warm water and mild soap. Seek medical advice if symptoms persist
Eye	Irrigate with water, lift lids occasionally. Seek medical aid.
Inhalation	Remove the fresh air. If not breathing, give artificial respiration. Seek medical assistance
Ingestion	Seek medical assistance; avoid consuming food in working area
General Advice	Ammonia vapors may cause burning eyes, runny nose, coughing and possible chest pain

### Section 5: Fire Fighting Measures

Flammability :	Yes	Flammability Condition:	Heat/Oxidation
Exinction Means:	Sprinkler Installation/ Foam		
Special Procedure	None		
Flash Point and Method	Unknown	Upper Explosion limit (% by Volume)	Lower Explosion Limit (% by Volume)
		Unknown	Unknown
Auto Ignition Temperature	Unknown	TDG Flammability Classification	Hazardous Combustion Product
		Unknown	Carbon Monoxide



## Material Safety Data Sheet

Sensitivity to Chemical Impact

Unknown

Rate of

Burning

Varies

Explosive Power

Unknown

Sensitivity to Static Discharge

Unknown

### Section 6: Accidental Release Measures

**Spill or Leak Precautions:** Wear appropriate protective clothing, gloves and equipment. Collect spilled material by sweeping up solids and disposing of according to local regulations for this type of product. Major spills should be reported to the National Response Center. Spills with potential to contaminate coastal waterways must be reported to the appropriate and relevant governmental offices.

**Waste disposal:** All containers should be effectively labeled to facilitate the appropriate disposal or reclaim

### Section 7: Handling and Storage

Engineering Controls: Ventilation during processing. Avoid breathing vapors.

Leak and Spill Procedure: N/A

Waste Disposal: Bury and burn under controlled conditions/ reclaimable

Handling Procedure and Equipment: N/A

Storage Requirement: Avoid Heat, direct sunlight and contact with oxidative catalysts. Keep container closed

Special Shipping Information: None

### Section 8: Exposure Control and Personal Protection

Personal Protective Equipment : Clothing when processing

Gloves (specify)

Yes

Respiratory (specify)

Yes

Eyes (specify)

Yes

Footwear (specify)

Yes

Clothing (specify)

Yes

Other (Specify)

Protective clothing to prevent prolonged exposure to skin

### Section 9: Physical and Chemical Properties

Physical State: Liquid

Odour: Ammonia Odor

Appearance: Milky Liquid

Odour Threshold: NA

Specific Gravity: 0.95-0.96

Vapour Pressure: 730 mm Hg

Vapour Density (air=1): NA

Evaporation Rate: NA

Boiling Point: 100 C

Freezing Point: 0 C

Solubility in Water (20 C): NA

pH: 10-11

Density (g/ml): 0.92

Water/Oil Distribution: NA

### Section 10: Stability and Reactivity

Chemical Stability Yes

Incompatibility to other products Heavy Metals (eg: Cu) acting as pre-oxidants

Reactivity and under what conditions Starts to decompose above 220 C, finally releasing vapours which may be toxic and flammable near 300 C

Hazardous Decomposition Product : Isoprene derivations; carbon monoxide

### Section 11: Toxicology Properties of Products

Route of Entry Ingestion

LD50 of Product (Route)

Unknown

Irritancy of Product

Unknown

Exposure Limit of Product

Unknown

LD50 of Product (Species)

Unknown

Sensitization of Product

Unknown

Synergistic Material

Unknown

### Section 12: Ecological Properties of Product

This product is not expected to present an environmental hazard. Ecological or environmental effects unknown.

### Section 13: Waste Disposal of Product

Waste must be disposed of in accordance to federal, state and local environmental control regulations.



## Material Safety Data Sheet

### Section 14: Transport Information of Product

DOT Classification	Not a DOT controlled material
Identification	Not Applicable
Special Provision.	Not Applicable
UN Number.	Not Applicable
UN proper shipping name.	Not Applicable
Transport hazard class (es).	Not Applicable
Packing group.	Not Applicable
Environmental hazards.	Not Applicable
Special precaution for user.	Not Applicable
Transport in bulk according to Annex II of MARPOL.73/87 and the IBC Code	Information nor relevant

### Section 15: Regulatory Information

Product does not contain a SARA S-313 toxic chemicals above DE minimal thresholds

Natural Rubber is NOT considered hazardous under OSHA hazard communication standard 29 CFR 1910.1200 or the WHMIS Canadian Legislation.

### Section 16: Other Information

Contact for Product Information	Tel:(662) 274 0471	Fax:(662) 275 6861
Emergency Contact	Tel:(662) 274 0471 ext 57 or 40	
Prepared By : -	Prepared Date: 03 June 2011	

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### Sources Used

BRMA Toxicity and Safe Handling of Rubber Chemicals; British Rubber Manufacturers Associations  
Health and Safety; Malaysian Natural Rubber