



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT DETAILS

Product Name : HEDY Natural Rubber Latex Dental Dam
Chemical Name : Prevulcanised Natural Polyisoprene Latex
Chemical Formula : Mixture
Molecular Weight : Mixture
Chemical Family : Natural Latex Rubber
Use : For Latex Dipped, Extruded and Cast Products, etc.

SECTION 2 - HAZARDOUS COMPONENTS OF MIXTURES

Components	Weight/Proportion	Exposure Limit	Safety/Risk Phrases
Natural Polyisoprene (including natural occurring non-rubbers)	60.0 - 61.0%	Not Applicable	Not Applicable
Water and other proprietary ingredients	37.92 - 39.9%		R43
Ammonia CAS NO. 7664-41-7	0.60%	25 ppm in air (8hr)	R36/R37/R38

SECTION 3 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance : White suspension in water
Odour : Ammonia
Solubility : Miscible with water
Boiling Point : ~100°C
Melting Point : N/A
Vapour Pressure : N/A
Percentage Volatile : -39%
Evaporation Rate : Similar to water
Vapour Density : Approx. equal water (Air = 1)
Specific Gravity @ 25°C : 0.95 - 0.96
pH : 10.0 - 11.0

SECTION 4 - HAZARD IDENTIFICATION

Proposed classification : Irritant
Most important hazards : R36 - Irritating to eyes
R37 - Irritating to respiratory system
R38 - Irritating to skin
R43 - May cause sensitisation by skin contact
S7 to S26

SECTION 5 - FIRST AID MEASURES

Eye contact : Immediately flush eyes with copious quantity of water for at least 15 minutes and consult doctor
Skin contact : Wash skin thoroughly with soap and water
Inhalation : Evacuate to a safe area as soon as possible
Ingestion : Drink copious quantity of water and consult a doctor

SECTION 6 - FIRE FIGHTING MEASURES

Flash point : N/A
Flammable limits : N/A
Explosion properties : N/A
Extinguishing media : The product is non-combustible. Use media proper to primary cause of the fire
Unusual fire/explosion hazards : Aqueous dispersions of polymers will not burn. If temperature exceeds boiling point of aqueous phase (~100°C) then spattering may occur. Dried rubber is combustible. Toxic fumes and smoke are liberated. Wear breathing apparatus and goggles.

SECTION 7 - ACCIDENTAL RELEASE MEASURES

Leak/Spill : Contain and keep away from drains. Absorb the spill with inert material (sand and earth) and transfer to containers for disposal. Ventilation required only to avoid excessive ammonia concentration. Respiratory protection is required only when ventilation is inadequate. Wear Gloves, boots, and goggles. Report as per Regulatory requirements.

SECTION 8 - HANDLING AND STORAGE

Handling	:	Avoid smoking and ensure good ventilation. Wear goggles and gloves.
Storage	:	Avoid storing in open vessels. Store indoor between 10°C and 30°C.

SECTION 9 - EXPOSURE CONTROL AND PERSONAL PROTECTION

a: Exposure Limit

Permissible Exposure Limit	:	25 ppm of Ammonia in air (8 hr.)
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b: Personal Protection

Eye protection	:	Wear goggles and safety glass
Skin protection	:	Wear impermeable gloves and boots. Overall work wear may be used
Respiratory protection	:	Ensure good ventilation, or use respiratory mask

c: Ventilation

	:	Use general or local exhaust ventilation
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SECTION 10 - STABILITY AND REACTIVITY

Stability	:	Stable
Conditions to avoid	:	Exposure of large surface area in poorly ventilated room
Hazardous polymerisation	:	Will not occur
Materials to avoid	:	Not Applicable
Hazardous decomposition	:	Dry rubber: when ignited will give off toxic flames and smoke

SECTION 11 - TOXICOLOGICAL INFORMATION

LD ₅₀	:	No data
Effects of over exposure	:	May cause skin irritation and sensitisation on prolonged exposure Eye irritation Headache, dizziness, irritation of upper respiratory tract if ammonia is excessively inhaled
Reproductive effect	:	No data

SECTION 12 - ECOLOGICAL INFORMATION

Mobility	:	Miscible in water
Bioaccumulation	:	No data
Biodegradability	:	Biodegradable
Aquatic toxicity	:	No data

Updated: 12/01/2004