

**SECTION I - PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** Neoseal SR- 609 Rubber adhesive      **MANUFACTURER:** NeoSeal Adhesive Pvt. Ltd.  
**PRODUCT USE:** Foam and furnish      Plot# 628/7, GIDC Savli, At. Manjusar  
 Dis. Vadodara - 391775, Gujarat, India  
 Tel. +91-9099 -935744

**SECTION 2 - HAZARDS IDENTIFICATION**
**GHS CLASSIFICATION:**

Health		Environmental		Physical	
Acute Toxicity:	Category 2	Acute Toxicity:	None Known	Flammable Liquid	Category 2
Skin Irritation:	Category 2	Chronic Toxicity:	None Known		
Skin Sensitization:	NO				
Eye:	Category 2B				

**GHS LABEL:**

**Signal Word:**  
**Danger**
**WHMIS CLASSIFICATION:** CLASS B, DIVISION 2  
 CLASS B, DIVISION 2B
 
**Hazard Statements**

H225: Highly flammable liquid and vapor  
 H319: Causes serious eye irritation  
 H332: Harmful if inhaled  
 H335: May cause respiratory irritation  
 H336: May cause drowsiness or dizziness  
 H351: Suspected of causing cancer  
 EUH019: May form explosive peroxides  
 EUH066: Repeated exposure may cause skin dryness or cracking

**Precautionary Statements**

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking  
 P261: Avoid breathing dust/fume/gas/mist/vapors/spray  
 P280: Wear protective gloves/protective clothing/eye protection/face protection  
 P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing for breathing  
 P337+P233: Get medical advice/attention  
 P403+P233: Store in a well ventilated place. Keep container tightly closed  
 P501: Dispose of contents/container in accordance with local regulation

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENTS:	CAS#	EINECS #	CONCENTRATION	ACGIH TLV	ACGIH STEL
Hexane	110-54-3	203-777-6	10-25%	50 ppm	500 ppm
Toluene	108-88-3	203-625-9	35-60 %	100 ppm	150 ppm
Acetone	67-64-1	200-662-2	0-20 %	500 ppm	750 ppm
Ethyl Acetate	141-78-6	203-631-1	0-15 %	400 ppm	500 ppm
Various resin	proprietary	proprietary			
Synthetic rubber	proprietary	proprietary	10-15%		

**SECTION 4 - FIRST AID MEASURES**

**Contact with eyes:** Flush eyes immediately with plenty of water for 15 minutes and seek medical advice immediately.  
**Skin contact:** Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If irritation develops, seek medical advice.  
**Inhalation:** Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.  
**Ingestion:** Rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. Seek medical advice immediately.

**SECTION 5 - FIREFIGHTING MEASURES**

**Suitable Extinguishing Media:** Dry chemical powder, carbon dioxide gas, foam, Halon, water fog.      HMIS      NFPA      0-Minimal  
**Unsuitable Extinguishing Media:** Water spray or stream.      Health      2      2      1-Slight  
**Exposure Hazards:** Inhalation and dermal contact      Flammability      3      3      2-Moderate  
**Combustion Products:** Oxides of carbon, hydrogen chloride and smoke      Reactivity      0      0      3-Serious  
**Protection for Firefighters:** Self-contained breathing apparatus or full-face positive pressure airline masks.      4-Severe

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Keep away from heat, sparks and open flame.  
 Provide sufficient ventilation, use explosion-proof exhaust ventilation equipment or wear suitable respiratory protective equipment.  
 Prevent contact with skin or eyes (see section 8).  
**Environmental Precautions:** Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.  
**Methods for Cleaning up:** Clean up with sand or other inert absorbent material. Transfer to a closable steel vessel.  
**Materials not to be used for clean up:** Aluminum or plastic containers

**SECTION 7 - HANDLING AND STORAGE**

**Handling:** Avoid breathing of vapor, avoid contact with eyes, skin and clothing.  
 Keep away from ignition sources, use only electrically grounded handling equipment and ensure adequate ventilation/fume exhaust hoods.  
 Do not eat, drink or smoke while handling.  
**Storage:** Store in ventilated room or shade below 44°C (110°F) and away from direct sunlight.  
 Keep away from ignition sources and incompatible materials: caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.  
 Follow all precautionary information on container label, product bulletins and solvent cementing literature.

**SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION**

EXPOSURE LIMITS:	Component	ACGIH TLV	ACGIH STEL	OSHA PEL
	Toluene	100 ppm	150 ppm	200 ppm
	Acetone	500 ppm	750 ppm	1000 ppm
	Ethyl Acetate	400 ppm	500 ppm	500 ppm
	Hexane	50 ppm	500 ppm	50 ppm

**Monitoring:** Maintain breathing zone airborne concentrations below exposure limits.  
**Personal Protective Equipment (PPE):**  
**Eye Protection:** Avoid contact with eyes, wear splash-proof chemical goggles, face shield, safety glasses (spectacles) with brow guards and side shields, etc. as may be appropriate for the exposure.  
**Skin Protection:** Prevent contact with the skin as much as possible. Butyl rubber gloves should be used for frequent immersion.  
 Use of solvent-resistant gloves or solvent-resistant barrier cream should provide adequate protection when normal adhesive application practices and procedures are used for making structural bonds.  
**Respiratory Protection:** Prevent inhalation of the solvents. Use in a well-ventilated room. Open doors and/or windows to ensure airflow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed above.  
 With normal use, the Exposure Limit Value will not usually be reached. When limits approached, use respiratory protection equipment.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Light yellow brown	<b>Odor Threshold:</b>	0.04 ppm (Toluene)
<b>Odor:</b>	Ketone	<b>Boiling Range:</b>	79.6°C to 156°C
<b>pH:</b>	Not Applicable	<b>Evaporation Rate:</b>	> 1.0 (BUAC = 1)
<b>Melting/Freezing Point:</b>	-95°C Based on first melting component: Acetone	<b>Flammability:</b>	Category 2
<b>Boiling Point:</b>	56 C Based on first boiling component Acetone	<b>Flammability Limits:</b>	<b>LEL:</b> 1.1% based on Toluene <b>UEL:</b> 12.8 % based on Acetone
<b>Flash Point:</b>	-20 °C TCC based on Acetone	<b>Vapor Pressure:</b>	190 mm Hg @ 20°C based on Acetone
<b>Specific Gravity:</b>	0.85 @23°C ( 73°F)	<b>Vapor Density:</b>	>2 (Air = 1)
<b>Solubility:</b>	Solvent portion soluble in water. Resin portion separates out.		
<b>Partition Coefficient n-octanol/water:</b>	Not Available		
<b>Auto-ignition Temperature:</b>	426 C based on Ethyl Acetate		
<b>Decomposition Temperature:</b>	Not Applicable		

**SECTION 10 - STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable
<b>Hazardous decomposition products:</b>	None in normal use. When forced to burn, this product gives off oxides of carbon, hydrogen chloride and smoke.
<b>Conditions to avoid:</b>	Keep away from heat, sparks, open flame and other ignition sources.
<b>Incompatible Materials:</b>	Oxidizers, strong acids and bases, amines, ammonia

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Likely Routes of Exposure:** Inhalation, Eye and Skin Contact

**Acute symptoms and effects:**

<b>Inhalation:</b>	Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.
<b>Eye Contact:</b>	Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid.
<b>Skin Contact:</b>	Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.
<b>Ingestion:</b>	May cause nausea, vomiting, diarrhea and mental sluggishness.

**Chronic (long-term) effects:** None known to humans

<b>Toxicity:</b>	LD <sub>50</sub>	LC <sub>50</sub>
<b>Toluene</b>	Oral 5000 mg/kg(rat)	N/E
<b>Hexane</b>	25 g/kg (rat)	Inhalation 2 hrs. 70000 mg/m <sup>3</sup> (rat)
<b>Ethyl Acetate</b>	Oral:4100 mg/kg (rat)	Inhalation 3 hrs. 62,700 mg/m <sup>3</sup> (rat)
<b>Acetone</b>	Oral: 5800 mg/kg (rat)	Inhalation 8 hrs. 50,100 mg/m <sup>3</sup> (rat)

<u>Reproductive Effects</u>	<u>Teratogenicity</u>	<u>Mutagenicity</u>	<u>Embryotoxicity</u>	<u>Sensitization to Product</u>	<u>Synergistic Products</u>
Not Established	Not Established	Not Established	Not Established	Not Established	Not Established

**SECTION 12 - ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	None Known
<b>Degradability:</b>	Biodegradable
<b>Bioaccumulation:</b>	Minimal to none.

**SECTION 13 - WASTE DISPOSAL CONSIDERATIONS**

Follow local and national regulations. Consult disposal expert.

**SECTION 14 - TRANSPORT INFORMATION**

<b>Proper Shipping Name:</b>	Adhesives
<b>Hazard Class:</b>	3
<b>Secondary Risk:</b>	None
<b>Identification Number:</b>	UN 1133
<b>Packing Group:</b>	PG II
<b>Label Required:</b>	Class 3 Flammable Liquid
<b>Marine Pollutant:</b>	NO

**EXCEPTION for Ground Shipping**

**DOT Limited Quantity:** Up to 5L per inner packaging, 30 kg gross weight per package.  
**Consumer Commodity:** Depending on packaging, these quantities may qualify under DOT as "ORM-D" .

**TDG INFORMATION**

<b>TDG CLASS:</b>	FLAMMABLE LIQUID 3
<b>SHIPPING NAME:</b>	ADHESIVES
<b>UN NUMBER/PACKING GROUP:</b>	UN 1133, PG II

**SECTION 15 - REGULATORY INFORMATION**

<b>Precautionary Label Information:</b>	Highly Flammable, Irritant	<b>Ingredient Listings:</b>	USA TSCA, Europe EINECS, Canada DSL, Australia
<b>Symbols:</b>	F, Xi		AICS, Korea ECL/TCCL, Japan MITI (ENCS)
<b>Risk Phrases:</b>	R11: Highly flammable. R20: Harmful by inhalation. R36/37: Irritating to eyes and respiratory system.		R66: Repeated exposure may cause skin dryness or cracking R67: Vapors may cause drowsiness and dizziness
<b>Safety Phrases:</b>	S9: Keep container in a well-ventilated place. S16: Keep away from sources of ignition - No smoking. S25: Avoid contact with eyes.		S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S33: Take precautionary measures against static discharges. S46: If swallowed, seek medical advise immediately and show this container or label.

**SECTION 16 - OTHER INFORMATION**

<b>Specification Information:</b>		
<b>Department issuing data sheet:</b>	NeoSeal Adhesive, Safety & Health Department	All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).
<b>e-mail address:</b>	<a href="mailto:info@neoseal.net">info@neoseal.net</a>	
<b>Training necessary:</b>	Yes, training in practices and procedures contained in product literature.	
<b>Reissue date / reason for reissue:</b>	January 18, 2021/ Technical information updated	
<b>Intended Use of Product:</b>	Foam and furnish	

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.