

**SECTION 1 – PRODUCT & COMPANY IDENTIFICATION****PRODUCT NAME:** Strong-Fix SP SFR Contact Adhesive**SUPPLIER:** HP ADHESIVES LIMITED**PRODUCT USE:** Solvent Based Synthetic Rubber Based Adhesive**ADDRESS:** G-11 Unique House, Chakala Road
Andheri (E) Mumbai 400099 INDIA

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EMERGENCY: Transportation: CHEMTEL Tel. 800.255-3924, 813-248-0585 (International)**MEDICAL:** Tel. 800.451.8346, 760.602.8703 3E Company (International)**SECTION 2 – HAZARDOUS IDENTIFICATION****GHS CLASSIFICATION****EMERGENCY OVERVIEW**

1. Can cause eye irritation.
2. Moderate respiratory tract irritant.
3. Harmful if swallowed.
4. Can cause skin irritation.

WHMIS CLASSIFICATION: (1999/45) Xi; R36/38. F;R11. R52/53, R67.**HMS RATING:**

Health	2
Flammability	4
Reactivity	0

Single Word: Danger**GHS LABEL:****HEALTH EFFECTS BY ROUTE OF ENTRY**

EYE: Can cause irritation. **SKIN:** Can cause skin irritation. **INHALATION:** Can cause moderate respiratory irritation. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract. Inhalation of vapours may cause loss of feeling and weakness in the hands and feet and loss of manual dexterity. Inhalation of high concentrations may result in central nervous system (CNS) effects such as dizziness, weakness, fatigue, nausea, headache, and lack of coordination. **INGESTION:** Ingestion is not an anticipated route of exposure. Harmful if swallowed Irritating to mouth, throat, and stomach.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS#	EINECS #	CONCENTRATION % by Weight
Rubber	91261-65-3		10 - 30
Resin	64742-16-1	270-726-2	10 - 30
Hexane	110-53-3	203-777-6	5 - 10
Solvent	1330-20-7	215-535-7	10 - 30
Acetone	67-64-1	200-662-2	10 - 30
Cyclohexanone	108-94-1	203-631-1	

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.

Likely Routes of Exposure: Inhalation, Eye and Skin Contact

Acute symptoms and effects:

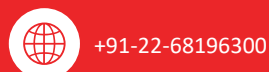
Inhalation: Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.

Eye Contact: Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid.

Skin Contact: Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.

Ingestion: May cause nausea, vomiting, diarrhea and mental sluggishness.

Chronic (long-term) effects: Category 2 Carcinogen

SECTION 5 – FIREFIGHTING MEASURES**Suitable Extinguishing Media:** Dry chemical powder, carbon dioxide gas, foam, Halon, water fog.**Unsuitable Extinguishing Media:** Water spray or stream.**Exposure Hazards:** Inhalation and dermal contact.**Combustion Products:** Oxides of carbon and smoke.**Protection for Fire fighters:** Self-contained breathing apparatus or full-face positive pressure airline masks.

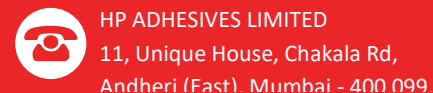
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SECTION 6 - ACCIDENTAL RELEASE MEASURES

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:	Aluminium 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

Engineering Controls:	Use local exhaust as needed.
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

Appearance	Yellowish brown viscous Liquid
Odour	Typical Sweet
Colour	Yellowish
Density / Specific Gravity	1.20 ± 0.02 gm/ml@30°C ± 2°C
pH	Not Applicable
Flash Point	Nil
Solubility in water	Insoluble
Flammability	Category 2
Boiling Point	55°C
Melting/Freezing Point	Not Applicable
Decomposition Temperature	Not Applicable

SECTION 10 - STABILITY AND REACTIVITY

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

SECTION 11 - TOXICOLOGICAL INFORMATION

Other Components	LD 50 / LC 50
Hexane	Oral LD 50 , Rat =28710 mg/ kg Inhalation LC50 Rat = 48000 ppm
Other Components	NA

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: None Known **Mobility:** In normal use, emission of volatile organic compounds (VOC's) to the air takes place, typically at a rate of < 510 g/l. **Degradability:** Not readily biodegradable **Bioaccumulation:** Minimal to none.



SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert.

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name: Adhesives
Hazard Class: 3
Secondary Risk: None
Identification Number: UN 1133
Packing Group: PG II
Label Required: Class 3 Flammable Liquid
Marine Pollutant: 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	
TDG CLASS:	FLAMMABLE LIQUID 3
SHIPPING NAME:	ADHESIVES
UN NUMBER/PACKING GROUP:	UN 1133, PG II

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information:	Highly Flammable, Irritant	Ingredient Listings: USA TSCA, Europe EINECS, Canada DSL, Australia AICS, Korea ECL/TCCL, Japan MITI (ENCS)
Symbols:	F, Xi	
Risk Phrases:	R11: Highly flammable. R36/37: Irritating to eyes and respiratory system.	R66: Repeated exposure may cause skin dryness or cracking R67: Vapors may cause drowsiness and dizziness
Safety Phrases:	S2: Keep out of the reach of children S9: Keep container in a well-ventilated place. S16: Keep away from sources of ignition. 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.

SECTION 16 - OTHER INFORMATION

Specification Information:

Department issuing data sheet:	HP ADHESIVES LIMITED Quality Control	All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).
E-mail address:	<qc@hpadhesives.com>	
Training necessary:	Yes, training in practices and procedures contained in product literature.	
Reissue date / reason for reissue:	4/7/2015 / Updated GHS Standard Format	
Intended Use of Product:	Solvent Cement for PVC Plastic Pipe	

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.