

# MATERIAL SAFETY DATA SHEET

## NeoSeal PVC Clear Solvent Cement

### SECTION I - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Neoseal-105 PVC Solvent Cement  
PRODUCT USE: Solvent Cement for PVC Plastic Pipe  
COMPANY NAME MADE FOR: Neoseal Adhesive Pvt.Ltd.  
628/7,Savli G.I.D.C.  
Manjusar.Dist:Vadodara

### SECTION 2 - HAZARDS IDENTIFICATION

Clear liquid with an ethereal and fruity (keton) like odor. Extremely flammable, vapors may cause flash fire. It may cause eye and skin irritation. Inhalation of vapors may cause respiratory irritation and may effect on central nervous system. Swallowing may cause irritation, nausea, vomiting, diarrhea and kidney or liver disorders. May be fatal, if swallowed. Symptoms may be delayed.

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS#	EINECS #	CONCENTRATION
Tetrahydrofuran (THF)	109-99-9	203-726-8	10 - 30 %
Methyl Ethyl Ketone (MEK)	78-93-3	201-159-0	5 - 25 %
Cyclohexanone	108-94-1	203-631-1	8 - 30 %
Acetone	67-64-1	200-662-2	10 - 35 %
Ethyl Acetate	141-78-6	203-631-1	5 - 20 %

### SECTION 4 - FIRST AID MEASURES

**Skin:** Remove contaminated clothing immediately. Wash all exposed areas with soap and water. If irritation develops get medical advice. Remove dried cement with hand cleaner or baby oil.

**Eyes:** If material gets into eyes or if fumes cause irritation, immediately flush eyes with plenty of water for 15-20 minutes and take medical advice immediately.

**Inhalation:** If symptoms of exposure develop, move to fresh air. If breathing becomes difficult, administer oxygen. Administer artificial respiration if breathing has stopped. Seek immediate medical attention.

**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 – FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Dry chemical powder, carbon dioxide gas or foam. Cool fire exposed container with water. Water may be ineffective as an extinguishing agent.

**Exposure Hazards:** Carbon monoxide, carbon dioxide, hydrogen chloride and smoke Flammability

**Combustion Products:** Carbon monoxide, carbon dioxide, hydrogen chloride and smoke

### SECTION 6 - ACCIDENTAL RELEASE MEASURES (Spill or Leak Procedures)

Remove all sources of ignition and ventilate area. Stop leak if it can be done without risk. Personnel cleaning up the spill should wear appropriate personal protective equipment, including respirators if vapor concentrations are high. Soak up spill with an inert absorbent such as sand, earth or other noncombusting material. Put absorbent material in covered, labeled metal containers. Prevent liquid from entering watercourses, sewers and natural waterways. Report releases to authorities as required. See Section 13 for disposal information.

### SECTION 7 - HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Avoid breathing of vapor. Wash thoroughly after handling. Keep product away from sparks, flames and source ignition. Use only electrically grounded handling equipment; ensure adequate ventilation. Do not eat; drink or smoke while handling product or in storage area.

**Storage:** Store in a cool, dry, well-ventilated area away from incompatible materials. Keep away from ignition sources. Follow all precautionary information on container label.

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

### EXPOSURE LIMITS:

Component	OSHA PEL	ACGIH TLV	ACGIH STEL
Tetrahydrofuran (THF)	200 ppm	50 ppm	100 ppm
Methyl Ethyl Ketone (MEK)	200 ppm	200 ppm	300 ppm
Cyclohexanone	50 ppm	20 ppm	50 ppm
Acetone	1000 ppm	500 ppm	750 ppm
Ethyl Acetate	200 ppm	400 ppm	100 ppm

**Skin Protection:** Rubber gloves are suitable for normal use of the product. For long exposures chemical resistant gloves may be required such as 4H(tm) or Silver Shield(tm) to avoid prolonged skin contact.

**Eye Protection:** Wear safety glasses with side shields or splash proof chemical goggles

**Respiratory Protection:** Prevent inhalation of the solvents. Use in a well-ventilated room. If required use proper respirator.

**Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, heavy syrup liquid

**Odor:** Ketone, Fruity

**pH:** Not Applicable

**Boiling Point:** 56.2°C (133°F) based on first boiling component: Acetone

**Boiling Range:** 56.2°C (133°F) to 156°C (313°F)

**Flash Point:** -20°C (-4°F) TCC based on Acetone

**Melting/Freezing Point:** -16.3°C (-2.65°F) based on the first melting component Cyclohexanone

**Auto-ignition temperature:** 420°C (788°F) based on Cyclohexanone

**Decomposition Temperature:** Not Applicable

**Flammability:** Category 2

**Specific Gravity:** 0.894 ± 0.05 @ 23°C ± 2°C

**Solubility:** Solvent portion completely soluble in water. Resin portion separates out.

**Vapor Pressure:** 190 mm HG @ 20°C (68°F) Acetone

**Vapor density:** >2.0 (Air = 1)

**Viscosity:** Heavy Bodied

## SECTION 10 - STABILITY AND REACTIVITY

**Stability:** Stable

**Hazardous decomposition products:** None in normal use. When forced to burn, this product gives off carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), hydrogen chloride (HCl) and smoke.

**Conditions to avoid:** Keep away from heat, sparks, open flame and other ignition sources.

**Incompatible Materials:** Caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers.

## SECTION 11 - TOXICOLOGICAL INFORMATION

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

**Acute symptoms and effects:**

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

**Eye Contact:** Vapor 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:** None known to humans

## SECTION 12 - ECOLOGICAL INFORMATION

**Mobility:** In normal use, emission of volatile organic compounds to the air takes place. Minimal other adverse effects include possible ground water contamination from release to soil, sewers, drains or water course.

**SECTION 13 - WASTE DISPOSAL CONSIDERATIONS**

Follow local and national regulations OR Consult disposal expert. Can be disposed of by controlled incineration. Empty containers should be air dried before disposing.

**SECTION 14 - TRANSPORT INFORMATION**

**DOT Classification:** CLASS 3: Flammable liquid.

**Proper Shipping Name:** Adhesives/Solvent Cement

**SECTION 15 - REGULATORY INFORMATION**

**Precautionary Label Information:** Highly Flammable, Irritant

**SECTION 16 - OTHER INFORMATION**

**Intended Use of Product:** Adhesive for bonding/cementing PVC plastic pipe and fittings

**NFPA Hazard Signal:** Health: 2 Flammability: 3 Reactivity: 1 Special: None

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.