

MATERIAL SAFETY DATA SHEET

Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200

REVISION: 3/7/2012

SECTION I-MANUFACTURER

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SECTION II-PRODUCT IDENTIFICATION

IDENTITY: Solvent Seal 27

HMIS CODES: H F R P
2 2 0 B

SECTION III-COMPONENTS

	<u>CAS #</u>	<u>OSHA PEL(TWA)</u>	<u>ACGIH(TLV-TWA)</u>
Acrylic Polymer	Proprietary	None Established	None Established
Aromatic Naphtha*	64742-95-6	*see below	*see below
Aromatic Solvent*	Trade Secrete	100 ppm	100 ppm

*Aromatic Naphtha and Aromatic Solvent contain the following:

	<u>CAS#</u>	<u>OSHA PEL(TWA)</u>	<u>ACGIH(TLV-TWA)</u>	<u>Wt.% of coating</u>
Cumene	98-82-8	50 ppm	50 ppm	<1.38%
1,2,4 Trimethylbenzene	95-63-6	25 ppm(1989 std.)	25 ppm	21.5-27.8%
1,3,5 Trimethylbenzene	108-67-8	25 ppm(1989 std.)	25 ppm	6.9-8.3%
Xylene isomers	1330-20-7	100 ppm	100 ppm	0.7-2.1%
Naphthalene	91-20-3	10 ppm	10 ppm	0.21-0.45%

SECTION IV-PHYSICAL/CHEMICAL CHARACTERISTICS

Specific Gravity (H2O=1): 0.86
Vapor Density (Air=1): 4.3
Material V.O.C.: <700 g/l

Flash Point(TCC): 105° F
Odor: Aromatic hydrocarbon
Appearance: Clear liquid

SECTION V-FIRE AND EXPLOSION HAZARD DATA

Flash Point (TCC): 105° F
Flammable Limits(% volume in air): LEL=1.0 UEL=7.0
Extinguishing Media: Dry chemical, CO2, alcohol-resistant foam
Special Fire Fighting Procedures: Evacuate area and fight fire from a distance. Firefighters wear NIOSH approved self-contained breathing apparatus. Cool containers exposed to fire with water. Vapors are heavier than air and may travel along the ground to distant ignition sources.

SECTION VI-REACTIVITY DATA

Reactivity: Stable

Conditions to avoid: Prevent vapor accumulation. Avoid heat and flames.

Incompatibility (Materials to Avoid): Strong oxidizers.

Hazardous Decomposition (Byproducts): Carbon monoxide and carbon dioxide.

Hazardous Polymerization: Should not occur.

SECTION VII-HAZARDS IDENTIFICATION

Routes of Exposure: Inhalation, Ingestion, eyes, and Skin.

Health Hazards:

Acute: May cause eye, skin, gastrointestinal, and lung irritation. May cause central nervous system depression.

Chronic: Prolonged and repeated exposures to high concentrations may cause hearing loss. May cause anemia, decreased blood cell count, and bone marrow hypoplasia. Liver and kidney damage may occur.

Exposure to toluene may affect the developing fetus.

Skin Contact: May cause irritation and redness. Prolonged or repeated exposure can cause defatting and drying of the skin, which may result in a burning sensation and a dried, cracked appearance.

Eye Contact: May cause redness, tearing, and irritation of the eyes. Direct contact may cause permanent eye damage.

Inhalation: May cause headache, nausea, dizziness, and loss of coordination. Continued inhalation may result in unconsciousness and death.

Ingestion: May be harmful if swallowed. Aspiration of the material into the lungs can cause chemical pneumonitis, which can be fatal.

Carcinogen: Contains trace amounts of Naphthalene (0.21-0.45% by wt.), which has been shown by the NTP to be carcinogenic.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin, eye, or lung disorders may be more susceptible to the effects of the substance.

SECTION VIII-SARA Sections 311-313 INFORMATION

SARA 311/312:

Acute Health Hazard

Fire Hazard

Chronic Health Hazard

SARA 313:

Components

See Section III (Aromatic Naphtha and Mineral Spirits components)

SECTION IX-EMERGENCY AND FIRST AID PROCEDURES

Skin: Clean material from skin with acetone, then wash with soap and water followed by moisturizer.

Eyes: Flush with a gentle but large stream of clean water for 15 minutes, lifting the lower and upper eyelids occasionally. Call a physician if irritation persists.

Inhalation: Move to fresh air and provide oxygen if breathing is difficult. Seek medical attention.

Ingestion: DO NOT INDUCE VOMITING. Give large quantities of water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention immediately.

SECTION X-PRECAUTIONS FOR SAFE HANDLING AND USE

Normal Handling: Always use good industrial hygiene practices and safety guidelines.

Storage: Store material in its original container. Keep containers tightly closed when not in use. Keep material away from open flame, sparks, or other sources of heat and ignition.

Waste Disposal Method: Liquid material is an ignitable waste (D001). Dispose of material in accordance with federal, state, and local guidelines.

Special Precautions: Use proper bonding/grounding techniques to avoid static buildup/discharge, which can ignite vapors. Empty containers may contain explosive levels of vapor. Do not cut, drill, or weld on or near the containers.

SECTION XI-EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Use a NIOSH-approved organic vapor respirator when exposure level cannot be maintained below limits.

Ventilation: Provide adequate mechanical ventilation to keep exposure levels below TLV's.

Protective Gloves: Wear impervious chemical gloves.

Eye Protection: Wear chemical safety glasses.

Other Protective Clothing or Equipment: As needed to prevent repeated/prolonged contact.

Work/Hygienic Practices: Use only in adequately-ventilated area unless recommended respiratory protection is used. Wash thoroughly with soap and water after handling and before eating, smoking, or using washroom. If clothes become contaminated, change to clean clothing and wash contaminated clothes before re-use.

SECTION XII-TRANSPORTATION INFORMATION

Proper Shipping Name: UN1993, Combustible Liquid, n.o.s. (aromatic petroleum distillates)

Non-regulated in containers <119 gallons

SECTION XIII-ADDITIONAL REGULATORY INFORMATION

The regulatory information provided is not intended to be comprehensive. Other federal, state and local regulations may apply to this material.

OSHA: This material is hazardous by definition of Hazardous Communications Standard (29 CFR 1910.1200).

TSCA: Components of this material are either listed or are exempt from the EPA TSCA Inventory of Chemical Substances.

California Proposition 65: Naphthalene (91-20-3) 0.21-0.45% CA_65 C

New Jersey RTK Label Information:	Aromatic Solvent	Trade Secret
	1, 2, 4-trimethylbenzene	95-63-6
	Naphthalene	91-20-3

Pennsylvania RTK Label Information:	Aromatic Solvent	Trade Secret
	1, 2, 4-trimethylbenzene	95-63-6
	Naphthalene	91-20-3

DISCLAIMER: Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, Chemsystems Inc. makes no representations as to the completeness or accuracy thereof.