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MATERIAL SAFETY DATA SHEET

SECTION 1 – COMPANY AND PRODUCT IDENTIFICATION

ISSUED BY:	JEEN INTERNATIONAL CORPORATION 24 MADISON ROAD FAIRFIELD, NJ 07004, USA TEL: 973-439-1401	CHEMTREC EMERGENCY TEL:	800-424-9300
		*CHEMTREC INTERNATIONAL TEL:	703-527-3887
		*COLLECT CALLS ACCEPTED	

PRODUCT NAME: JEESILC PS-VHBF
CHEMICAL NAME: SILICONE COPOLYMER IN ISODODECANE SOLVENT
CHEMICAL FAMILY: SILICONE POLYMER COMPLEX
INCI: ISODODECANE, BIS-VINYL DIMETHICONE/DIMETHICONE COPOLYMER
CAS NOS.: 141-70-8, 156065-02-0
EINECS NOS.: 236-757-0, EXEMPT

SECTION 2 – COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

<u>CAS NUMBER</u>	<u>WT %</u>	<u>COMPONENTS</u>
141-70-8	80-90	ISODODECANE

THIS MATERIAL IS FOR INDUSTRIAL USE ONLY. NOT FOR FOOD, MEDICAL OR DRUM USE.

SECTION 3 – HAZARDS IDENTIFICATION

CAUTION: FLAMMABLE LIQUID AND VAPORS. AVOID ALL SOURCES OF IGNITION, SUCH AS FLAME, SPARKS.
GROUND ALL EQUIPMENT.

GOOD MANUFACTURING PRACTICES AER ALWAYS RECOMMENDED WHEN HANDLING ANY CHEMICAL.
THERE ARE NO POTENTIAL HEALTH EFFECTS EXPECTED FROM HANDLING THIS MATERIAL.
THERE ARE NO SIGNIFICANT LABORATORY DATA TO SUGGEST ANY HAZARD TO HUMANS.

EYES: DIRECT EYE CONTACT MAY CAUSE TEMPORARY DISCOMFORT WITH MILD REDNESS AND DRYNESS
SIMILAR TO WINDBURN.
SKIN: A SINGLE PROLONGED EXPOSURE (24 TO 48 HOURS) CAUSED NO KNOWN ADVERSE EFFECT.
INHALATION: NO IRRITATION TO RESPIRATORY PASSAGES IS EXPECTED FROM RELATIVELY SHORT EXPOSURES OF
LESS THAN 8 HOURS.
ORAL: SMALL AMOUNTS TRANSFERRED TO THE MOUTH BY FINGERS DURING USE SHOULD NOT INJURE.
SWALLOWING LARGE AMOUNTS MAY CAUSE DIGESTIVE DISCOMFORT.

REPEATED EXPOSURE EFFECTS:

SKIN: NONE KNOWN
INHALATION: NONE KNOWN
ORAL: NONE KNOWN

COMMENTS: LABORATORY RODENTS REPEATEDLY EXPOSE TO OCTAMETHYLCYCLOTETRASILOXANE AND
DECAMETHYLCYCLOPENTASILOXANE BY INHALATION OR INGESTION DEVELOPED INCREASE LIVER WEIGHT WHEN
COMPARED TO THE CONTROL RODENTS. HOWEVER, NO GROSS OR HISTOPATHOLOGICAL LIVER WEIGHTS WERE
NOTED. WE RECOMMEND USING GOOD MANUFACTURING PRACTICES AND AVOIDING INHALATION OR INGESTION OF
THIS MATERIAL.



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SECTION 4 – FIRST AID MEASURES

EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. OBTAIN MEDICAL ATTENTION IF IRRITATION OCCURS.
SKIN: REMOVE CONTAMINATED CLOTHING AND WASH WITH SOAP AND WATER. NO FIRST AID SHOULD BE NEEDED.
INHALATION: SHORT-TERM HARMFUL HEALTH EFFECTS ARE NOT EXPECTED FROM VAPOR GENERATED AT AMBIENT TEMPERATURES. IF FIRST AID IS REQUIRED MOVE VICTIM TO FRESH AIR.
ORAL: NO FIRST AID SHOULD BE NEEDED. IF DISCOMFORT OCCURS, OBTAIN MEDICAL ATTENTION.
COMMENTS: TREAT SYMPTOMATICALLY.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT: 43° C (PENSKY-MARTENS CLOSED CUP)
AUTOIGNITION TEMPERATURE: NOT DETERMINED
FLAMMABILITY LIMITS IN AIR: NOT DETERMINED
EXTINGUISHING MEDIA: USE MEDIUM EXPANSION (>30:1) AFFF ALCOHOL COMPATIBLE FOAM OR WATER SPRAY.
FIRE FIGHTING PROCEDURES: SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHT FIRES INVOLVING CHEMICALS
UNUSUAL FIRE HAZARDS: STATIC ELECTRICITY WILL ACCUMULATE AND MAY IGNITE VAPORS. PREVENT A POSSIBLE FIRE HAZARD BY BONDING AND GROUNDING OR INERT GAS PURGE. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

CONTAINMENT/CLEAN UP: SECTIONS 13 AND 15 OF THIS MSDS PROVIDE INFORMATION REGARDING CERTAIN FEDERAL AND LOCAL REQUIREMENTS. COLLECT FOR DISPOSAL. CLEAN UP REMAINING MATERIALS FROM SPILL WITH SUITABLE ABSORBENT. FOR LARGE SPILLS PROVIDE DIKING OR OTHER APPROPRIATE CONTAINMENT TO KEEP MATERIAL FROM SPREADING. IF DIKED MATERIAL CAN BE PUMPED, STORE RECOVERED MATERIAL IN APPROPRIATE CONTAINER. CLEAN AREA AS APPROPRIATE SINCE SOME SILICONE MATERIAL, EVEN IN SMALL QUANTITIES, MAY PRESENT A SLIP HAZARD. FINAL CLEANING MAY REQUIRE STEAM, SOLVENTS OR DETERGENTS. OBSERVE ALL PERSONAL PROTECTION EQUIPMENT RECOMMENDATIONS DESCRIBED IN SECTION 5 AND 8 OF THIS MSDS. OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS THAT MAY APPLY TO THE CLEAN UP OF THIS MATERIAL.

SECTION 7 – HANDLING AND STORAGE

HANDLING (PERSONNEL): SAFETY GLASSES AND PVC GLOVES.
STORAGE: KEEP CONTAINER CLOSED AND ASWAY FROM HEAT, SPARKS AND OPEN FLAME.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS:

LOCAL EXHAUST: RECOMMENDED
GENERAL VENTILATION: RECOMMENDED

PERSONAL PROTECTIVE EQUIPMENT FOR ROUTINE HANDLING

EYES: USE PROPER PROTECTION – SAFETY GLASSES AS A MINIMUM.
SKIN: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE.
SUITABLE GLOVES: NO SPECIAL PROTECTION IS NEEDED.
INHALATION: USE RESPIRATORY PROTECTION UNLESS ADEQUATE LOCAL EXHAUST VENTILATION IS PROVIDED OR AIR SAMPLING DATA SHOWS EXOSURES ARE WITHIN RECOMMENDED EXPOSURE GUIDELINES.
SUITABLE RESPIRATOR: ORGANIC VAPOR TYPE.

PERSONAL PROTECTIVE EQUIPMENT FOR SPILLS

EYES: USE PROPER PROTECTION – SAFETY GLASSES AS MINIMUM
SKIN: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE.
INHALATION/SUITABLE RESPIRATOR: USE RESPIRATORY PROTECTION UNLESS ADEQUATE LOCAL EXHAUST VENTILATION IS PROVIDED OR AIR SAMPLING DATA SHOWS EXPOSURES ARE WITHIN RECOMMENDED EXPOSURE GUIDELINES.



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SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION continued...

PRECAUTIONARY MEASURES: AVOID EYE CONTACT. AVOID BREATHING. KEEP CONTAINER CLOSED
NOTE: THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE HANDLING. USE AT ELEVATED TEMPERATURES OR AEROSOL SPRAY APPLICATIONS MAY REQUIRE ADDED PRECAUTIONS.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:	THICK GEL	VISCOSITY	200,000 cps
COLOR:	CLEAR	MELTING POINT	NOT APPLICABLE
ODOR:	DISTINCTIVE	BOILING POINT:	NOT DETERMINED
SPECIFIC GRAVITY @ 25°C:	0.77 gm/ml	VAPOR PRESSURE @ 25°C	NOT DETERMINED
SOLUBILITY IN WATER:	INSOLUBLE	pH:	NOT DETERMINED

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: NONE KNOWN
MATERIALS TO AVOID: OXIDIZING MATERIAL CAN CAUSE A REACTION.

SECTION 11 – TOXICOLOGICAL INFORMATION

OPTIONAL SECTION – COMPLETE INFORMATION NOT YET AVAILABLE

SECTION 12 – ECOLOGICAL INFORMATION

OPTIONAL SECTION – COMPLETE INFORMATION NOT YET AVAILABLE

SECTION 13 – DISPOSAL CONSIDERATIONS

LANDFILL AND/OR INCINERATION WHERE PERMITTED UNDER FEDERAL, STATE OR LOCAL LAWS. OBSERVE ALL LOCAL, STATE AND FEDERAL WASTE MANAGEMENT REGULATIONS.

SECTION 14 – TRANSPORTATION INFORMATION

SHIPPING NAME: FLAMMABLE LIQUID, NOS (ISODODECANE)
TECHNICAL NAME: NOT APPLICABLE
PRIMARY CLASS: 3
SUBSIDIARY RISK: NOT ASSESSED
PRODUCT IDENTIFICATION NUMBER: UN 1993
PACKING GROUP: III

SECTION 15 – REGULATORY INFORMATION

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR, AND THIS MSDS CONTAINS ALL INFORMATION REQUIRED BY CPR.

WHMIS CLASSIFICATION

CLASS D – DIVISION 2B
CLASS B – DIVISION 3

HMIS RATING:

HEALTH: 1 FLAMABILITY: 2 INSTABILITY: 0 PHYSICAL HAZARD: 0

SECTION 16 – OTHER INFORMATION

THE DATA IN THIS MSDS RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS. THIS DATA IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS PRODUCT SPECIFICATIONS. NO WARRANTY, EITHER EXPRESS OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.