

# SAFETY DATA SHEET

Date Prepared : 5/7/2015

Date Revise 01/01/2024

## 705 Diffusion Pump Fluid

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 705 Diffusion Pump Fluid**GENERAL USE:** Vacuum Diffusion Pump Fluid**MANUFACTURER**

Conquest West Inc.

1415 Industrial Way Unit K

Gardnerville, NV 89410

**Emergency Phone:** 775-783-4182**Customer Service:** 775-783-4182**E-Mail:** conqst76@gmail.com

### 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS****Environmental:**

Chronic Hazards to the Aquatic Environment, Category 4

**GHS LABEL****HAZARD STATEMENTS**

H413: May cause long lasting harmful effects to aquatic life.

**PRECAUTIONARY STATEMENT(S)****Response:**

P273: Avoid release to the environment.

**Disposal:**

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

**EMERGENCY OVERVIEW****PHYSICAL APPEARANCE:** Colorless or pale yellow liquid

**IMMEDIATE CONCERNS:** This product is not hazardous under conditions of normal use. Thermal decomposition of this product will generate carbon monoxide, carbon dioxide, and other toxic materials. When fighting fires, use full turnout gear and self contained breathing apparatus in positive pressure mode. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin or clothing. Do not flush to sewer. Avoid runoff into storm sewers and ditches which lead to waterways.

**POTENTIAL HEALTH EFFECTS**

**EYES:** May cause mild transient irritation but there is no evidence of long term harmful effects from available information.

**SKIN:** No adverse effects are expected.

**SKIN ABSORPTION:** A single, prolonged exposure is not likely to result in the material being absorbed through

skin in harmful amount.

**INGESTION:** Low ingestion hazard in normal use.

**INHALATION:** Avoid breathing vapors or mists. Poses little or no immediate hazard.

### REPRODUCTIVE TOXICITY

**REPRODUCTIVE EFFECTS:** Not Available

**TERATOGENIC EFFECTS:** Not Available

**CARCINOGENICITY:** Not listed as a human carcinogen ( IARC: International Agency for Research on Cancer, NTP: US National Toxicology Program, ACIGH: American Conference of Governmental Industrial Hygienists )

**MUTAGENICITY:** Not Available

**MEDICAL CONDITIONS AGGRAVATED:** Not Available

**TARGET ORGAN STATEMENT:** Inhalation, ingestion, eye contact, or skin contact.

**IRRITANCY:** Non irritating

**SENSITIZATION:** Non sensitizing

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Trimethylpentaphenyl trisiloxane	> 50	3390-61-2
Tetraphenyldimethyldisiloxane	> 10	807-28-3
Alkyl phenyl siloxane	> 15	6904-66-1

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**SKIN:** Not normally needed.

**INGESTION:** Not normally needed.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** May cause mild transient irritation but there is no evidence of long term harmful effects from available information.

**SKIN:** None expected.

**SKIN ABSORPTION:** None expected.

**INGESTION:** None expected.

**INHALATION:** None expected.

**ACUTE TOXICITY:** Poses little or no immediate hazard.

**CHRONIC EFFECTS:** No adverse effects are normally expected.

**NOTES TO PHYSICIAN:** Treat symptomatically

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use dry chemical, approved foam, carbon dioxide, or water fog. Avoid using water spray which may spread the fire. Carbon dioxide or inert gas may displace oxygen. Observe caution when using in a confined space.

**HAZARDOUS COMBUSTION PRODUCTS:** Thermal decomposition during fire or very high heat may evolve carbon oxides, silicon dioxide, and formaldehyde.

**FIRE FIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Traces of benzene (carcinogen) may form if heated above 300F (149C).

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Clean up spills immediately, observing precautions in Protective Equipment section.

**LARGE SPILL:** Isolate hazard area. Keep unnecessary and unprotected personnel from entering. **LARGE SPILLS:** Shut off leak if safe to do so. This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. US regulations require reporting spills of this material that could reach any surface waters. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

**GENERAL PROCEDURES:** Clean up spills immediately, observing precautions in Protective Equipment section. Do not flush to sewer. Absorb spill with inert material, oil dry or spill absorbants. Collect contaminated media for proper disposal according to all applicable regulations. It may be possible to vacuum and reclaim the spilled liquid.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** This product is not hazardous under conditions of normal use. If using this product at elevated temperatures Use only in a well ventilated area. Traces of benzene (carcinogen) may form if heated above 300F (149C). Review the OSHA benzene regulation for detailed information on safe handling requirements. Avoid contact with eyes.

**HANDLING:** Keep away from heat and flame. Keep container closed when not in use. Remove contaminated clothing and wash before reuse. Wash hands before eating and wash before reuse. Wash thoroughly after handling.

**STORAGE:** S3/9/14: Keep in a cool, well-ventilated place away from... Oxidizing materials Do not reuse this container. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Good general ventilation should be sufficient to control airborne levels.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses.

**SKIN:** Not normally needed.

**RESPIRATORY:** Not normally needed. If ventilation is inadequate and this material is handled at elevated temperatures or dusts/fumes/mists are generated a NIOSH/MSHA approved air purifying respirator with a manufacturers approved cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

**WORK HYGIENIC PRACTICES:** Practice good chemical hygiene during and after use.

**OTHER USE PRECAUTIONS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**COMMENTS:** There are no established workplace exposure limits for components of this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** liquid

**ODOR:** None

**COLOR:** Pale Yellow or Clear

**pH:** NA = Not Applicable

**PERCENT VOLATILE:** Not Available

**FLASH POINT AND METHOD:** > 101°C (214°F) (Cleveland Open Cup ASTM D92)

**FLAMMABLE LIMITS:** Not Established

**AUTOIGNITION TEMPERATURE:** Not Established

**VAPOR PRESSURE:** 1E(-6) at 25C

**VAPOR DENSITY:** Not Available

**BOILING POINT:** Not Available

**FREEZING POINT:** Not Available

**MELTING POINT:** Not Available

**POUR POINT:** Not Available

**SOLUBILITY IN WATER:** Not Available

**SPECIFIC GRAVITY:** ~ 1.097

**VISCOSITY #1:** 180 cSt at 25°C

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**CONDITIONS TO AVOID:** Not Established

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition products may include: Silica, Carbon oxides, formaldehyde

**INCOMPATIBLE MATERIALS:** Oxidizing materials

## 11. TOXICOLOGICAL INFORMATION

**ACUTE**

**DERMAL LD<sub>50</sub>:** > 2000 mg/kg (dermal, rabbit)

**Notes:** No adverse effects are expected.

**SKIN ABSORPTION:** A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amount.

**ORAL LD<sub>50</sub>:** > 2000 mg/kg (oral, rat)

**Notes:** No adverse effects are expected.

**INHALATION LC<sub>50</sub>:** No adverse effects are expected.

**EYE EFFECTS:** May cause mild transient irritation but there is no evidence of long term harmful effects from available information.

**SKIN EFFECTS:** No adverse effects are expected.

**CHRONIC:** Not Available

**CARCINOGENICITY**

**IARC:** Not listed as a human carcinogen

**NTP:** Not listed as a human carcinogen

**OSHA:** Not listed as a human carcinogen

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL DATA:** Avoid release to the environment. Avoid runoff into storm sewers and ditches which lead to waterways.

**ECOTOXICOLOGICAL INFORMATION:** Not fully known.

**BIOACCUMULATION/ACCUMULATION:** This product is not expected to bioaccumulate.

**DISTRIBUTION:** Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded.

**AQUATIC TOXICITY (ACUTE):** Not Available

**CHEMICAL FATE INFORMATION:** Not fully known.

**GENERAL COMMENTS:** Due to the lack of available data, this product has been categorized under GHS as a category 4 chronic aquatic hazard.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Recycle or Dispose of according to applicable federal, state, provincial, and local regulations.

**EMPTY CONTAINER:** "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

**COMMENTS:** Hazard characteristics and regulatory waste stream classification can change with product use. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.

**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** Not Regulated**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** A reportable quantity (RQ) has not been established for this material**MARINE POLLUTANT #1:** Not a DOT 'Marine Pollutant' per 49CFR 171.8**ROAD AND RAIL (ADR/RID)****HAZARD CLASS:** Not Regulated**AIR (ICAO/IATA)****SHIPPING NAME:** Not Regulated**VESSEL (IMO/IMDG)****SHIPPING NAME:** Not Regulated**CANADA TRANSPORT OF DANGEROUS GOODS****SHIPPING NAME:** Not Regulated**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:** None**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No**313 REPORTABLE INGREDIENTS:** None**302/304 EMERGENCY PLANNING****EMERGENCY PLAN:** None**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA REGULATORY:** NA = Not Applicable**TSCA (TOXIC SUBSTANCE CONTROL ACT)****TSCA STATUS:** All components of this product are included in inventory, exempt, or notified**CLEAN AIR ACT****40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION:** NA = Not Applicable**OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)****29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS:** NA = Not Applicable**REGULATIONS****STATE REGULATIONS:**

The following components appear in one or more of the following states hazardous substances lists

Component	CAS	CA	MA	NJ	PA
Tetramethyltetraphenyl trisiloxane	3982-82-9	No	No	Yes	Yes
Tetraphenyldimethyldisiloxane	807-28-3	No	No	Yes	No
Alkyl phenyl siloxane	6904-66-1	No	No	Yes	No

**CALIFORNIA PROPOSITION 65:** This product is not known to contain any components for which the State of California has found to cause cancer, birth defects or other reproductive harm.

**RCRA STATUS:** Not listed or controlled

#### CANADA

**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** Not listed or controlled

**DOMESTIC SUBSTANCE LIST (INVENTORY):** All components of this product are included in inventory, exempt, or notified

**MEXICO** Not Available

**GENERAL COMMENTS:** All components of this product are included in inventory, exempt, or notified: USA TSCA, European EINECS, Australian AICS, Canadian DSL, China IECSC, Japanese ENCS, Korean KECL, Philippines PICCS

## 16. OTHER INFORMATION

**PREPARED BY:** E Robb **Date Revised:** January

**REVISION SUMMARY:** This MSDS replaces the 5/7/2015 MSDS. Revised: **Section 16: MANUFACTURER DISCLAIMER.**

#### HMIS RATING

HEALTH		0
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

#### NFPA CODES

