DOW CORNING(R) DC-704 DIFFUSION PUMP FLUID

Material Safety Data Sheet
Revision Date January 2007
For Chemical Emergency Call Chemtrex 800-424-9300

1. Substance/Company Identification

PRODUCT NAME: **DOW CORNING DC 704**
CAS NUMBER: 3982-82-9
MANUFACTURER: DOW CORNING(R) 704 DIFFUSION PUMP FLUID

SOUTH SAGINAW ROAD, MIDLAND MI 48686

2. Composition/ Ingredients

CHEMICAL NAME: 1,3,3,5,-tetramethyl-1,1,5,5-tetraphenyltrisiloxane
PRODUCT CLASSIFICATION: Silicone Fluid
CHEMICAL FORMULA: $(C_7H_8OSI)_n$
HAZARDOUS INGREDIENTS: None

3. Hazards Identification

POSSIBLE ENTRY ROUTES: Ingestion, inhalation of oil mists
This product is not classified as hazardous.
ACUTE EFFECTS: Material is not expected to be dermatitic or a sensitizer. Is a mild irritant to eyes and skin (not absorbed).
CHRONIC EFFECTS: Unknown.

4. First Aid Measures

SKIN: Remove product with a dry towel and wash with soap and water.
EYES: Flush with water for at least 15 min. Contact a physician!
INGESTION: Contact a physician. Small amount in mouth may be washed out.
INHALATION: Remove to fresh air. Consult a physician when necessary.

5. Fire Fighting Measures

FLASH POINT: 221 C
METHOD USED: Cleveland Open Cup
EXPLOSIVE LIMITS LOWER: Unknown UPPER: Unknown
EXTINGUISHING MEDIA: Water fog, chemical foam, carbon dioxide or dry chemical NFPA Class III B Material.
SPECIAL FIREFIGHTING PROCEDURES: Wear breathing gear when fighting fires in enclosed spaces.
UNUSUAL FIRE AND/OR EXPLOSION HAZARDS: None

6. Accidental Release Measures

PROCEDURE TO BE FOLLOWED IN EVENT OF RELEASE: Small spills may be wiped up with a cloth. Large spills should be picked up immediately with an absorbent.

7. Handling and Storage

HANDLING: Keep container closed and store in a cool place away from heat and flame Do not lay the container on its side. Keep out of reach of children. Do not re-use, puncture, cut or weld on or near this container.
STORAGE: Storage below 20C for extended periods may cause the material to freeze. This will not harm the product, but you will have to warm it to melt the material to a pourable state.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROL MEASURES: None required
RESPIRATORY PROTECTION: See notes on acute inhalation below.
PROTECTIVE GLOVES: Yes - made of oil-impermeable rubber or plastic.
SAFETY GLASSES/GOGGLES: Yes - glasses should have side shields
OTHER PROTECTIVE EQUIPMENT: None should be required under normal use, but you should have eyewash equipment handy.

9. Physical & Chemical Properties

PHYSICAL STATE: Liquid
VAPOR PRESSURE: < .0001 Torr @ 25C
BOILING POINT: 210 C @0.5mmHg
EVAPORATION RATE (ether = 1): Nil
VAPOR DENSITY: approximately 1ppm
WT % VOLATILES: Nil
SPECIFIC GRAVITY: 1.07
POUR POINT: -35C
VISCOSITY: 24 cst @ 40 C
SOLUBILITY IN WATER: Nil
APPEARANCE: transparent, colorless, viscous liquid with no odor.
ODOR: None

10. Stability & Reactivity

STABILITY: Material is stable
CONDITIONS TO AVOID: N/A
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, acids and alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS: None
HAZOURDOUS POLYMERIZATION: Will not occur.

11. Toxicological Information

ACUTE ORAL LD50 RAT: 5g/Kg
ACUTE DERMAL LD50: None
ACUTE INHALATION: US Gov't 8 hr TWA limit for exposure to oil mists is 5 mg per cubic meter

12. Ecological Information

ENVIRONMENTAL: When used and/or disposed of as indicated, no adverse
MOBILITY: Non-volatile and insoluble in water.
BIODEGRADABILITY: No evidence of biodegradation
BIOACCUMUILATION: No evidence of bioaccumulation

13. Disposal Considerations

Product and packaging must be disposed of in accordance with Federal, State and local regulations. Material may be returned for reclamation. Can be burned in a chemical incinerator equipped with an afterburner and scrubber.

14. Transport Classification

Not classified as hazardous for transport by air, sea or road.

15. Regulatory Information

Listed on the TSCA Inventory and EINECS

16. Other Information

NFPA RATING

FLAMMABILITY	0
HEALTH HAZARD	0
REACTIVITY	0
SPECIAL HAZARD	NONE