

**DOW CORNING****DOW CORNING CORPORATION**  
**Material Safety Data Sheet**

Page: 1 of 7

**DOW CORNING(R) 2-1802 SULLAIR FLUID****1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY**Dow Corning Corporation  
South Saginaw Road  
Midland, Michigan 48686**24 Hour Emergency Telephone: (517) 496-5900**  
Customer Service: (517) 496-6000  
Product Disposal Information: (517) 496-6315  
CHEMTREC: (800) 424-9300

MSDS No.: 01891359

Revision Date: 2000/12/07

Generic Description: Silicone compound

Physical Form: Liquid

Color: Straw

Odor: Odorless

NFPA Profile: Health 1 Flammability 1 Instability/Reactivity 0

Note: NFPA = National Fire Protection Association

**2. OSHA HAZARDOUS COMPONENTS**

<u>CAS Number</u>	<u>WL %</u>	<u>Component Name</u>
4827-55-8	10.0 - 30.0	Di-2-Ethylhexyl chlorendate

The above components are hazardous as defined in 29 CFR 1910.1200.

**3. EFFECTS OF OVEREXPOSURE**Acute Effects

Eye: Direct contact may cause mild irritation.

Skin: May cause mild irritation.

Inhalation: Vapor may irritate nose and throat. Vapor overexposure may cause drowsiness.

Oral: Low ingestion hazard in normal use.

Prolonged/Repeated Exposure Effects

Skin: No known applicable information.

Inhalation: No known applicable information.

Oral: No known applicable information.

Signs and Symptoms of Overexposure

No known applicable information.

Medical Conditions Aggravated by Exposure

**DOW CORNING CORPORATION**  
**Material Safety Data Sheet**

Page: 2 of 7

**DOW CORNING(R) 2-1802 SULLAIR FLUID**

No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

**4. FIRST AID MEASURES**

**Eye:** Immediately flush with water for 15 minutes.

**Skin:** No first aid should be needed.

**Inhalation:** Remove to fresh air. Get medical attention if ill effects persist.

**Oral:** No first aid should be needed.

**Comments:** Treat according to person's condition and specifics of exposure.

**5. FIRE FIGHTING MEASURES**

**Flash Point:** > 399.2 °F / > 204 °C (Closed Cup)

**Autoignition Temperature:** Not determined.

**Flammability Limits in Air:** Not determined.

**Extinguishing Media:** On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire exposed containers.

**Fire Fighting Measures:** Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

**Unusual Fire Hazards:** None.

**Hazardous Decomposition Products**

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde. Chlorine compounds.

**6. ACCIDENTAL RELEASE MEASURES**

**DOW CORNING CORPORATION**  
**Material Safety Data Sheet**

Page: 3 of 7

**DOW CORNING(R) 2-1802 SULLAIR FLUID**

**Containment/Clean up:** Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8. 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 up remaining materials from spill with suitable absorbant. Clean area as appropriate since some silicone materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note: See section 8 for Personal Protective Equipment for Spills. Call Dow Corning Corporation, (517) 498-5900, if additional information is required.

**7. HANDLING AND STORAGE**

Use with adequate ventilation. Avoid breathing vapor. Keep container closed. Avoid eye contact.

Use reasonable care and store away from oxidizing materials.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Component Exposure Limits**

<u>CAS Number</u>	<u>Component Name</u>	<u>Exposure Limits</u>
4827-55-8	Di-2-Ethylhexyl chlorendate	See 2-ethylhexyl comments.

This material contains a 2-ethylhexyl-functional ingredient that may form 2-ethylhexanol (2-EHXO) which has a Dow Corning 8 hour TWA exposure guideline of 20 ppm.

**Engineering Controls**

Local Ventilation: 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 needed.

Inhalation: Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.

**DOW CORNING**

**DOW CORNING CORPORATION**  
**Material Safety Data Sheet**

Page: 4 of 7

**DOW CORNING(R) 2-1802 SULLAIR FLUID**

Suitable Respirator: Organic Vapor Type.

**Personal Protective Equipment for Spills**

Eyes: Use full face respirator.

Skin: Washing at mealtime and end of shift is adequate.

Inhalation/Suitable Respirator: Use self-contained breathing apparatus (SCBA) or other supplied-air respirator.

Precautionary Measures: Avoid breathing vapor. Keep container closed. Avoid eye contact. Use reasonable care.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical Form: Liquid  
Color: Straw  
Odor: Odorless  
Specific Gravity @ 25°C: 0.97  
Viscosity: 28 cSt  
Freezing/Melting Point: Not determined.  
Boiling Point: > 35C/95F  
Vapor Pressure @ 25°C: Not determined.  
Vapor Density: Not determined.  
Solubility in Water: Not determined.  
pH: Not determined.  
Volatile Content: Not determined.

Note: The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

**10. STABILITY AND REACTIVITY**

Chemical Stability: Stable.

Hazardous Polymerization: Hazardous polymerization will not occur.

Conditions to Avoid: None.

Materials to Avoid: Oxidizing material can cause a reaction.

**11. TOXICOLOGICAL INFORMATION**

**Acute Toxicology Data for Product**

Complete information is not yet available.

**Component Toxicology Information**

DOW CORNING CORPORATION  
Material Safety Data Sheet

Page: 5 of 7

## DOW CORNING(R) 2-1802 SULLAIR FLUID

This product contains an ethylhexyl moiety. This moiety in either the acid or alcohol form has been reported in a published study to have teratogenic effects when orally administered to pregnant rats at high, maternally toxic concentrations. Two subsequent studies by oral and dermal routes (rats) were negative for birth defects.

Special Hazard Information on Components

No known applicable information.

## 12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution

No specific information is available.

Environmental Effects

No specific information is available.

Fate and Effects in Waste Water Treatment Plants

No specific information is available.

## Ecotoxicity Classification Criteria

Hazard Parameters (LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	$\leq 1$	$>1$ and $\leq 100$	$>100$
Acute Terrestrial Toxicity	$\leq 100$	$>100$ and $\leq 2000$	$>2000$

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993.

This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.

## 13. DISPOSAL CONSIDERATIONS

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? No

State or local laws may impose additional regulatory requirements regarding disposal.

Call Dow Corning Corporate Environmental Management, (517) 496-6315, if additional information is required.

**DOW CORNING**

**DOW CORNING CORPORATION**  
**Material Safety Data Sheet**

Page: 6 of 7

**DOW CORNING(R) 2-1802 SULLAIR FLUID**

**14. TRANSPORT INFORMATION**

DOT Road Shipment Information (49 CFR 172.101)

Not subject to DOT.

Ocean Shipment (IMDG)

Not subject to IMDG code.

Air Shipment (ICAO)

Not subject to ICAO regulations.

Call Dow Corning Transportation, (517) 496-8577, if additional information is required.

**15. REGULATORY INFORMATION**

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

EPA SARA Title III Chemical Listings

**Section 302 Extremely Hazardous Substances:**

None.

**Section 304 CERCLA Hazardous Substances:**

None.

**Section 312 Hazard Class:**

Acute: Yes  
Chronic: No  
Fire: No  
Pressure: No  
Reactive: No

**Section 313 Toxic Chemicals:**

None present or none present in regulated quantities.

Supplemental State Compliance Information

**California**

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

**DOW CORNING****DOW CORNING CORPORATION**  
**Material Safety Data Sheet**

Page: 7 of 7

**DOW CORNING(R) 2-1802 SULLAIR FLUID**

None known.

**Massachusetts**

No ingredient regulated by MA Right-to-Know Law present.

**New Jersey**

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
63148-62-9	> 60.0	Polydimethylsiloxane
4827-55-8	10.0 - 30.0	Di-2-Ethylhexyl chlorosilicate

**Pennsylvania**

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
63148-62-9	> 60.0	Polydimethylsiloxane
4827-55-8	10.0 - 30.0	Di-2-Ethylhexyl chlorosilicate

**18. OTHER INFORMATION**

Prepared by: Dow Corning Corporation

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed 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.

(R) indicates Registered Trademark