

DOW CORNING CORPORATION

Material Safety Data Sheet

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DOW CORNING(R) 2-1802 COMPRESSOR FLUID LT (24KT F

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Dow Corning Corporation

South Saginaw Road

Midland, Michigan 48686

24 Hour Emergency Telephone:

Customer Service:

Product Disposal Information:

CHEMTREC:

(989) 496-5900

(989) 496-6000

(989) 496-6315

(800) 424-9300

MSDS No.: 02221241

Revision Date: 2002/08/22

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

CAS Number Wt % Component Name

4827-55-8 10.0 - 30.0 Di-2-Ethylhexyl chloendate

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

No known applicable information.

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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:

> 400 °F / > 204.4 °C (Cleveland Open Cup)

> 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 (CO₂), 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

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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, (989) 496-5900, 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

CAS Number Component Name

Exposure Limits

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-EH XO) 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.

Suitable Respirator:

Organic Vapor Type.

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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: > 200 °C> 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

Component Toxicology Information

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

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No known applicable information.

12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution

Complete information is not yet available.

Environmental Effects

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

Ecotoxicity Classification Criteria

Hazard Parameters (LC50 or EC50) High Medium Low

Acute Aquatic Toxicity (mg/L) <=1 >1 and <=100 >100

Acute Terrestrial Toxicity <=100 >100 and <= 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, (989) 496-6315, if additional information is required.

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 (IATA)

Not subject to IATA regulations.

Call Dow Corning Transportation, (989) 496-8577, if additional information is required.

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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.

None known.

Massachusetts

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

New Jersey

CAS Number

Wt %

Component Name

63148-62-9 > 60.0 Polydimethylsiloxane

4827-55-8 10.0 - 30.0 Di-2-Ethylhexyl chlorendate

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Pennsylvania

CAS Number

Wt %

Component Name

63148-62-9 > 60.0 Polydimethylsiloxane

4827-55-8 10.0 - 30.0 Di-2-Ethylhexyl chlorendate

16. 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