

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: DSP HS-30 Blue

Product Number Optional: DSP HS-30 Blue

Supplier: Rogers Corporation
Diversified Silicone Products
13937 Rosecrans Ave.
Santa Fe Springs, CA 90670

HMIS H: 1 F: 1 R:0

Telephone: 1-562-404-8942

Email: msdsinfo@rogerscorporation.com

Emergency Telephone Number: 800-424-9300 (U.S. & Canada)
001-703-527-3887 (International – Call Collect)

2. HAZARDS IDENTIFICATION

GHS Classification: Reproductive toxicity (Category 2)

GHS Label Elements:
Hazard pictograms



Signal Word: Warning

Hazard Statements: H361: Suspected of damaging fertility or the unborn child.

Precautionary Statements: **Prevention:**
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood
P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response:
P308 + P313: If exposed or concerned, get medical advice/attention.
Storage:
P405: Store locked up.
Disposal:
P501: Dispose of contents/container to an approved waste disposal plant.

Potential Health Effects:

Inhalation: May cause irritation.
Skin: May cause irritation or allergic reaction.
Eyes: May cause irritation.
Ingestion: Not known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS #</u>	<u>Concentration (% w/w)</u>
Siloxanes and silicones, dimethyl, vinyl group-tern	68083-19-2	50 - 60
Silanamine, 1,1,1-trimethyl-n-(trimethylsilyl)-, hydrolysis products with silica	68909-20-6	30 - 50
Siloxanes and silicones, dimethyl, hydroxy-terminated	70131-67-8	10 - 20
Octamethylcyclotetrasiloxane	556-67-2	1-5
Ultramarine blue	57455-37-5	1

This material contains no other hazardous ingredients as defined in OSHA's Hazard Communication Standard 29 CFR 1910.1200 or EU directive 1999/45/EC, and do not present a health or environmental hazard according to directive 67/548/EC.

4. FIRST-AID MEASURES

General Advice:	When symptoms persist or in all cases of doubt seek medical advice.
If Inhaled:	Move to fresh air. Obtain medical attention if symptoms persist.
In Case of Skin Contact:	If irritation occurs, flush area with soap and- water for 15 to 20 minutes. Obtain medical attention if symptoms persist.
In Case of Eye Contact:	Flush eyes with large amounts of water for 15 to 20 minutes. Obtain medical attention if symptoms persist.
If Swallowed:	Get medical attention. Rinse mouth thoroughly with water.

5. FIRE-FIGHTING MEASURES

Conditions of Flammability:	NE
Suitable Extinguishing Media:	Water spray Alcohol-resistant foam Carbon dioxide Dry chemical
Special Protective Equipment for Fire Fighters:	Decomposition in a fire may produce toxic fumes. Firefighters should be equipped with self-contained breathing apparatus and turnout gear.
Hazardous Combustion Products:	Carbon oxides, formaldehyde, silicon oxides, and nitrogen oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use personal protective equipment recommended in Section 8.
Environmental Precautions:	Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and Materials for Containment and Cleaning Up:	Sweep or shovel into appropriate container.

7. HANDLING AND STORAGE

Precautions for Safe Handling:	Do not swallow. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
--------------------------------	--

Conditions for Safe Storage:

Store material in original packaging away from excess heat. Store away from strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with Workplace Controls Parameters:

Ingredients	CAS #	Form of Exposure	Control Parameters/ Permissible Conc.	Basis
Hexamethyldisilazane Reaction with Silica	68909-20-6	TWA (Dust)	20 Million particulates per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m ³ /%SiO ₂ (Silica)	OSHA Z-3
Octamethylcyclotetrasiloxane	556-67-2	TWA	10 ppm	DCC OEL

Ventilation

Local: Recommended for all industrial operations.
General: Recommended for all industrial operations.

Personal Protective Equipment:

Respiratory Protection: None needed under normal conditions. If material is heated and odors are noticeable and/or irritating a respirator meeting NIOSH requirements should be used. A qualified individual should evaluate each situation.

Hand Protection: Wear suitable chemical resistant gloves.

Eye Protection: At a minimum, safety glasses with side-shields are recommended in all industrial operations.

Skin and Body Protection: Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Hygiene Measures: Ensure that eye flushing systems and safety showers are located close to the work place. When using, do not eat, drink or smoke. Wash contaminated clothing before re-use. These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require additional precautions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form: Rubber-Crepe
Color: Blue

Safety Data:

pH: NA
Melting/Freezing Point: NE
Boiling Point: NA
Flash Point: NA
Ignition Temperature: NA
Autoignition Temperature: NA
Lower Explosion Limit: NE
Upper Explosion Limit: NE
Vapor Pressure: NA
Density: 1.0-2.0 (rubber only)
Water Solubility: NE
Partition Coefficient: NE
Relative Vapor Density: NE
Odor: Characteristic silicone
Odor Threshold: NE
Evaporation Rate: NA

10. STABILITY AND REACTIVITY

Chemical Stability:

Possibility of Hazardous Reactions:	Stable under normal conditions. When heated to temperatures above 150°C (300°F) in the presence of air, product can form formaldehyde vapors.
Conditions to Avoid:	None known.
Materials to Avoid:	Oxidizing agents.
Hazardous Decomposition Products:	CO, CO ₂ , formaldehyde, silicon dioxide, and traces of incompletely burned carbon compounds.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Skin contact
Ingestion
Eye contact

Acute Toxicity: Not classified based on available information.

Irritation/ Corrosion

Skin: Not classified based on available information.
Eyes: Not classified based on available information.
Respiratory: Not classified based on available information.

Sensitization

Skin: Not classified based on available information.
Respiratory: Not classified based on available information.
Mutagenicity: Not classified based on available information.
Carcinogenicity: Not classified based on available information.
Reproductive Toxicity: Suspected of damaging fertility or the unborn child.
Teratogenicity: Not classified based on available information.

Specific Target Organ Toxicity

Single Exposure: Not classified based on available information.
Repeated Exposure: Not classified based on available information.
Aspiration Hazard: Not classified based on available information.

Potential Acute Health Effects

Eye Contact: No known significant effects or critical hazards.
Inhalation: No known significant effects or critical hazards.
Skin Contact: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.

Symptoms Related to Physical, Chemical and Toxicological Characteristics

Eye Contact: None known
Inhalation: None known
Skin Contact: None known
Ingestion: None known

Effects due to Exposure: Delayed, Immediate & Chronic

Short Term Exposure

Potential Immediate Effects: No known significant effects or critical hazards.
Potential Delayed Effects: No known significant effects or critical hazards.

Long Term Exposure

Potential Immediate Effects: Suspected of damaging fertility or the unborn child.

Potential Delayed Effects: Suspected of damaging fertility or the unborn child.

Potential Chronic Health Effects: Suspected of damaging fertility or the unborn child.

Ingredients:

Octamethylcyclotetrasiloxane:

Remarks: Results from a 2 year repeated vapor inhalation exposure study to rats of octamethylcyclotetrasiloxane (D4) indicate effects (benign uterine adenomas) in the uterus of female animals. This finding occurred at the highest exposure dose (700 ppm) only. Studies to date have not demonstrated if these effects occur through pathways that are relevant to humans. Based on the available information on its potential to cause harm to human health, Health Canada, in a 2008 screening assessment, has concluded that octamethylcyclotetrasiloxane is not entering the environment in a quantity or concentration or under conditions that constitute or may constitute a danger in Canada to human life or health. Repeated exposure in rats to D4 resulted in protoporphyrin accumulation in the liver. Without knowledge of the specific mechanism leading to the protoporphyrin accumulation the relevance of this finding to humans is unknown.

12. ECOLOGICAL INFORMATION:

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

Persistence and Degradability: Not readily biodegradable.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: None known

Other Information

Octamethylcyclotetrasiloxane: PBT and vPvB Assessment: Remarks: Octamethylcyclotetrasiloxane (D4) meets the current REACH Annex XIII criteria for PBT and vPvB. In Canada, D4 has been assessed and deemed to meet the PiT criteria. However, D4 does not behave similarly to known PBT/vPvB substances. The weight of scientific evidence from field studies shows that D4 is not biomagnifying in aquatic and terrestrial food webs. D4 in air will degrade by reaction with naturally occurring hydroxyl radicals in the atmosphere. Any D4 in air that does not degrade by reaction with hydroxyl radicals is not expected to deposit from the air to water, to land, or to living organisms.

13. DISPOSAL CONSIDERATIONS

Product: Dispose of in accordance with applicable local, provincial, state and federal laws and regulations.

14. TRANSPORT INFORMATION

DOT (U.S.) Classification: Not regulated

IMDG Classification: Not regulated

IATA Classification: Not regulated

15. REGULATORY INFORMATION

REACH: This product is REACH compliant, it is not formulated, compounded with nor does it have any SVHC chemicals intentionally added.

RoHS: This product is RoHS compliant.

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

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

CAS

CHEMICAL NAME

PERCENT BY WEIGHT

None

16. OTHER INFORMATION

NA = Not Applicable
NE = Not Established
NC = Not Classified

FILE: 99533-DSP HS-30 Blue-02072018
PREPARED BY: EHS Department
DATE: 02/07/2018

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULT TO BE OBTAINED FROM THE USE THEREOF.

ROGERS CORPORATION ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL. MSDS HAS BEEN PREPARED IN ACCORDANCE WITH ANSI STANDARD Z400.1-2044, AND REGULATION (EC) N° 1907/2006.