



U.S. Format

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 680DDN  
Product Number (Optional): 99430  
Use of Product: Polyimide Primer  
Supplier: Rogers Corporation  
1100 Governor Lea Road,  
Bear, DE 19701  
Phone: 001-302-834-2100  
Fax: 001-302-834-4021  
Email: msdsinfo@rogerscorporation.com  
Emergency Telephone Number: 800-424-9300 (U.S. & Canada) Chemtrec  
001-703-527-3887 (International – Call Collect)

## 2. HAZARDS IDENTIFICATION

### Emergency Overview:

OSHA Hazard: Not Applicable  
Target Organs: Not Applicable  
GHS Classification: Flammable liquids (Category 3)  
Acute toxicity, Inhalation (Category 4)  
Skin irritation (Category 2)  
Eye irritation (Category 2A)  
Carcinogenicity (Category 2)  
Specific target organ toxicity-single exposure (Category 3), Respiration system  
Specific target organ toxicity-repeated exposure (Category 2)  
Specific target organ toxicity-repeated exposure, Inhalation (Category 2), Central nervous system, Liver, Kidney  
Aspiration Hazard (Category 1)  
Acute aquatic toxicity (Category 2)  
Chronic aquatic toxicity (Category 3)

GHS Label Elements

Pictogram:



Signal Word:

Danger

Hazard Statements:

H226: Flammable liquid and vapor  
H304: May be fatal if swallowed and enters airways  
H315: Causes skin irritation  
H319: Causes serious eye irritation

Including Precautionary Statements:

H332: Harmful if inhaled  
H335: May cause respiratory irritation  
H351: Suspected of causing cancer  
H373: May cause damage to organs through prolonged or repeated exposure  
H401: Toxic to aquatic life  
H412: Harmful to aquatic life with long-lasting effects

P261: Avoid breathing dust.  
P264: Wash skin thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P330: Rinse mouth.  
P333 + P313: If skin irritation or rash occurs: Get medical advice/ attention.  
P337 + P313: If eye irritation persists: Get medical advice/ attention.  
P362: Take off contaminated clothing and wash before reuse.  
P403 + P233: Store in a well-ventilated place. Keep container tightly closed.  
P501: Dispose of contents/container to approved Hazardous waste Company.

**HMIS Classification:** \*H 2 F 3 R 0

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS #</u>	<u>Concentration (%)</u>
Xylene	1330-20-7	32-56
Ethylbenzene	100-41-4	8-14
Bis(2,4-dichlorobenzoyl)peroxide	133-14-2	0.1

The material contains no other hazardous ingredients as defined in OSHA's Hazard Communication Standard 29 CFR 1910.1200.

### 4. FIRST-AID MEASURES

General Advice:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If Inhaled:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact:	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact:	Rinse thoroughly with plenty of water for at least 20 minutes and consult a physician.
If Swallowed:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and	The most important known symptoms and effects are described in the

effects, both acute and delayed:                   labelling (see Section 2) and/or in Section 11

Indication of any immediate medical attention and special treatment needed                   No data available.

## 5. FIRE-FIGHTING MEASURES

Conditions of Flammability:                   No data available.

Suitable Extinguishing Media:                   Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Protective Equipment for Fire Fighters:                   Wear self-contained breathing apparatus for firefighting if necessary.

Hazardous Combustion Products:                   Carbon Oxides

Further Information:                   Do not allow fire water to penetrate into surface or ground water. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:                   Use personal protective equipment. Avoid breathing vapors mists or gas. Ensure adequate ventilation. For personal protection see Section 8.

Environmental Precautions:                   Prevent further leakage or spillage. Do not let product enter drains.

Methods and Materials for Containment and Cleaning Up:                   Remove all sources of ignition. Contain spillage, then collect with electrically protected devices, or by wet brushing. Take up mechanically. Collect in closed containers for disposal. For disposal see Section 13.

## 7. HANDLING AND STORAGE

Precautions for Safe Handling:                   Avoid contact with skin and eyes. Avoid formation of aerosols. Provide appropriate exhaust ventilation at places where vapors are formed. No Smoking, Take Measures to prevent the build-up of electro-static charge. For precautions see Section 2.

Conditions for Safe Storage:                   Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with Workplace Controls Parameters:

<b>Components</b>	<b>CAS #</b>	<b>Value</b>	<b>Control Parameter</b>	<b>Basis</b>
Xylene	1330-20-7	TWA	100 PPM	ACGIH Threshold Limit Values (TLV)
		STEL	150 PPM	
		TWA	100 PPM 435 mg/M <sup>3</sup>	USA OSHA
Ethylbenzene	100-41-4	TWA	20 PPM	ACGIH Threshold Limit Values (TLV)
		STEL	125 PPM	

TWA	100 PPM	or 435 mg/M <sup>3</sup>	USA NIOSH
STEL	125 PPM	or 454 mg/M <sup>3</sup>	Recommended Exposure limits
TWA	100 PPM	or 435 mg/M <sup>3</sup>	USA OSHA

Exposure Controls: Handle in accordance with good industrial hygiene and safety practice.  
 Appropriate Engineering Controls: Wash hands before breaks and at the end of workday.

**Personal Protective Equipment:**

Respiratory Protection: Where risk assessment show air-purifying respirators are appropriate use a full-face respirator with multi-purpose combinations (US) and type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye Protection: Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and Body Protection: Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene Measures: Wash and dry hands.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:**

Form: Silicone Rubber Dispersion  
 Color: Clear

**Safety Data:**

pH: No data available.  
 Melting/Freezing Point: <32 °F (DIN EN ISO 306)  
 Boiling Point: 137 to 140°C (278.6- 284°F)  
 Flash Point: 77 °F  
 Ignition Temperature: No data available.  
 Auto-ignition Temperature: 530oC (986oF)  
 Lower Explosion Limit: 1.1%  
 Upper Explosion Limit: 7%  
 Vapor Pressure: 24 hPa (18 mmHG) at 38°C (100.4 °F)  
 Specific Gravity: 0.95 at 20 °C (68 °F)  
 Water Solubility: Not water soluble.  
 Partition Coefficient: ~2.98 Log K<sub>fs</sub>  
 Relative Vapor Density: 3.67 (air =1)  
 Odor: Characteristic of xylene  
 Odor Threshold: 1 ppm (Xylene)  
 Evaporation Rate: 0.6 (BuAc =1 )

**10. STABILITY AND REACTIVITY**

Reactivity: No data available.  
 Chemical Stability: Stable under recommended storage conditions.  
 Possibility of Hazardous Reactions: Vapors may form explosive mixture with air.

Conditions to Avoid:	Protect from excessive heat. Keep away from sources of ignition and heat. Avoid dust formation.
Materials to Avoid:	Oxidizing agents.
Hazardous Decomposition Products:	Other decomposition products - no data available. In the event of fire: see Section 5.
Thermal decomposition:	To avoid thermal decomposition, do not overheat.

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	
Oral LD50:	No data available.
Dermal LD50:	No data available.
Other Info. on Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	No data available.
Serious Eye Damage/Irritation:	No data available.
Respiratory or Skin Sensitization:	No data available.
Germ Cell Mutagenicity:	No data available.
Carcinogenicity:	
IARC:	2B - Group 2B: Possibly carcinogenic to humans (Ethylbenzene).
IARC:	3- Group3: Not Classified as to its carcinogenicity to humans (Xylene)
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.
Reproductive Toxicity:	No data available.
Teratogenicity:	No data available.
Specific Target Organ Toxicity – Single Exposure (GHS):	No data available.
Specific Target Organ Toxicity – Repeated Exposure (GHS):	No data available.
Aspiration Hazard:	No data available.
Additional Information:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Vomiting, nausea, diarrhea possible

## 12. ECOLOGICAL INFORMATION:

Toxicity:	No data available.
Persistence and Degradability:	No data available.
Bio-accumulative Potential:	No data available.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other Adverse Effects:	No data available.

## 13. DISPOSAL CONSIDERATIONS

Product:	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated Packaging:	Dispose of as unused product.

## 14. TRANSPORT INFORMATION

DOT (U.S.) Classification: UN1993, Flammable liquids N.O.S. (Xylene), 3, PG III RQ 100 lbs.  
IMDG Classification: UN1993, Flammable liquids N.O.S. (Xylene), 3, PG III EMS-No: F-E, S-D  
IATA Classification: UN1993, Flammable liquids N.O.S. (Xylene), 3, PG III

## 15. REGULATORY INFORMATION

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III.  
SARA 311/312 Hazards: Acute Health Hazard  
CERCLA (Comprehensive Emergency Response, Compensation, and Liability Act): Not Applicable  
SARA Title III (Superfund Amendments and Reauthorization Act): Not Applicable

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:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>PERCENT BY WEIGHT</u>
1330-20-7	Xylene	32-56
100-41-4	Ethylbenzene	8-14
133-14-2	Bis(2,4-dichlorobenzoyl)peroxide	0.1

## 16. OTHER INFORMATION

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

FILE: 99430 - 680DDN SDS - 11212022  
PREPARED BY: Corporate EHS  
REVIEWED BY: EHS Engineering  
DATE: 11-21-2022

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