

SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Hexachlorodisiloxane**

FORMULA: Cl₆OSi₂

CAS NO: 14986-21-1

SYNONYMS: Hexachloro-disiloxan, 1,1,1,3,3,3-Hexachloropropanedisiloxane, 1,3-Dichloro-1,1,3,3-tetrachloropropanedisiloxane, Hexachloropropanedisiloxane, Oxybis(trichlorosilane), Hexachlorodisiloxane,9

MANUFACTURER:

Wonik Materials North America
N115 W19392 EDISON DRIVE
GERMANTOWN, WI 53022

PHONE: 1-262-293-0251
FAX: 1-262-253-1258

IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC 1-703-741-5500

FOR TECHNICAL INFORMATION CONTACT: 1-262-293-0251

SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Danger

Hazard Statements

H314 Causes severe skin burns and eye damage

SECTION 2 HAZARDS IDENTIFICATION (Cont.)

Precautionary Phrases

Hexachlorodisiloxane

P280	Wear protective gloves/protective clothing/eye protection/face protection
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.

HMIS Ratings (SCALE 0-4):

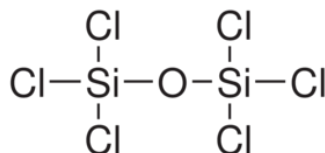
Health: 3 Flammability: 0 Reactivity: 2

NFPA Rating:

Health: 3 Fire: 0 Reactivity: 2

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: Cl₆OSi₂



Molecular Weight: 284.89

CHEMICAL NAME	CAS#
Hexachlorodisiloxane	14986-21-1

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Remove contacts if easily possible. Get immediate, professional care from qualified physician or emergency care facility.

SKIN EXPOSURE: Wash affected area with copious amounts of water for at least 15 minutes. Remove contaminated clothes and shoes if necessary. Seek medical assistance immediately.

INHALATION: Remove victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. If not breathing administer CPR. If having trouble breathing give oxygen if available. Seek immediate emergency medical assistance.

INGESTION: Do not induce vomiting. Rinse out mouth with water provided person is conscious. Seek immediate medical assistance.

NOTE: Material can form a siloxane polymer on skin, eyes, or in the lungs.

SECTION 5 FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:

Suitable Foam
 Unsuitable DO NOT USE WATER!

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:

Hydrogen chloride gas and silicon oxides

ADVICE FOR FIRE FIGHTERS

Use a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing. Do not plunge or aim foam streams directly into a chlorosilane.

UNUSUAL FIRE OR EXPLOSION HAZARDS

DANGER! Fires impinging (direct flame) on the outside surface of cylinders of this product can be very dangerous. Direct flame exposure on the cylinder wall can cause an explosion resulting in severe equipment damage and personnel injury over a large area surrounding the cylinder. If allowable withdraw from area and allow fire to burn.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Evacuate personnel to safe area. Wear chemical resistant/ fire-retardant gloves, chemical resistant/flammable resistant suit and boots, and self-contained breathing apparatus if oxygen levels are below 19.5% or unknown. Eliminate all sources of ignition before spill

cleanup begins. Cover spill with dry lime, soda ash, or sand. Use nonsparking tools. Ventilate area. Place spill residue in a suitable air tight container. Spill residue is water reactive should be placed in tightly sealed metal containers under inert atmosphere for disposal.

ENVIRONMENTAL PRECAUTIONS

Do not allow product enter drains.

METHODS AND MATERIALS

Contain spillage. Dispose of according to all laws and regulations.

SECTION 7 HANDLING AND STORAGE

PERSONNEL PRECAUTIONS

CORROSIVE MOISTURE AND WATER REACTIVE AIR SENSITIVE

Keep in a tightly sealed container (corrosion resistant) under inert atmosphere. Store in a cool, dry, well-ventilated area. Keep away from water, moisture, humidity in atmosphere, alcohols, acids, oxidizers, Lewis bases, (ethers, amines, etc.) Causes severe burns. Do not breathe vapor/fumes. Do not in eyes, on skin, on clothing, shoes.

Use with adequate ventilation. Avoid prolonged or repeated exposure. Handle and use in a controlled environment under inert atmosphere. Violent reaction may occur if exposed to moisture in air, water.

CONDITIONS FOR SAFE STORAGE

Handle and store under dry inert gas. AIR SENSITIVE. Keep container tightly sealed.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYE PROTECTION: Approved safety glasses w/side shields, or safety goggles and face shield

SKIN PROTECTION: Wear appropriate chemical resistant gloves, rubber, neoprene

VENTILATION: Chemical fume hood. Handle and use under inert atmosphere.

RESPIRATOR: If adequate ventilation if not available, a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29CFR 1910.34 or NIOSH/MSHA or European Standard EN 149 approved respirator.

ADDITIONAL PROTECTION: DANGER! CORROSIVE Causes Burns. Water/Moisture reactive. Avoid contact with skin, eyes, clothing, shoes. Do not inhale vapors. Use with adequate ventilation. Use in a controlled environment. Avoid contact with WATER, MOISTURE, Oxidizing agents, alcohols, acids, friction, heat, flames and sparks. Use adequate protection to avoid contact with skin, clothing, shoes. (Apron, lab coat, arm sleevelets). Eyewash and safety shower in area capable of sustained flushing. Do not eat, drink or smoke in area.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Liquid

MELTING POINT/ FREEZING POINT: Not available

BOILING POINT: 137 deg C

DECOMPOSITION: Not available

FLASH POINT: 18 deg C

VAPOR PRESSURE at 0 deg. C: 1.5mm

VAPOR DENSITY (air = 1): >5

SOLUBILITY IN WATER: Reacts violently

SPECIFIC GRAVITY: 1.57

ODOR: Acrid odor of hydrogen chloride

ODOR THRESHOLD: Not available

EVAPORATION RATE: Not available

SECTION 10 STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Extreme temperatures, heat, flames, and sparks.

INCOMPATIBILITY: Strong oxidizing agents

DECOMPOSITION PRODUCTS: Hydrogen chloride gas and silicon oxides.

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY

No data available

CARCINOGENICITY

IARC: No component of this product is identified as a known carcinogen by IARC, at levels greater than or equal to 0.1%.
ACGIH: No component of this product is identified as a known carcinogen by ACGIH, at levels greater than or equal to 0.1%.
NTP: No component of this product is identified as a known carcinogen by NTP, at levels greater than or equal to 0.1%.
OSHA: No component of this product is identified as a known carcinogen by OSHA, at levels greater than or equal to 0.1%.

REPRODUCTIVE TOXICITY

No data available

POTENTIAL HEALTH EFFECTS

SKIN: Causes skin burns. Harmful if absorbed through the skin.
EYES: Causes eye burns.
INHALATION: Material is extremely destructive to the mucous tissue. Harmful if inhaled.
INGESTION: Harmful if swallowed.

SECTION 12 ECOLOGICAL DATA

May be hazardous to aquatic life. Do not allow product to reach ground water, water course or sewage system. Do not allow product to be released to the environment without proper governmental permits

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of all product and materials according to the state, local, or national regulations.

SECTION 14 TRANSPORTATION DATA

Chlorosilanes, n.o.s. (Hexachlorodisiloxane)
Class 8
UN2987
PG II

DOT, IATA, and IMDG Regulated
Marine Pollutant: NO

SECTION 15 REGULATORY INFORMATION

OSHA HAZARDS: Corrosive
SARA 311/312 HAZARDS: Fire hazard, acute health hazard

PENNSYLVANIA RIGHT TO KNOW COMPONENTS: Hexachlorodisiloxane

CAS NO.
14986-21-1
CAS NO.

NEW JERSEY RIGHT TO KNOW COMPONENTS: Hexachlorodisiloxane

14986-21-1

CALIFORNIA PROP. 65 COMPONENTS: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Wonik Materials North America makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE PREPARED: 06/2018
SDS DEPT