

# SAFETY DATA SHEET

## SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **1,2-Bis(diisopropylamino)disilane**

FORMULA:  $C_{12}H_{32}N_2Si_2$

CAS NO: 151625-26-2

SYNONYMS: BDIPADS

Intended Use: For R&D use only.

### MANUFACTURER:

WONIK MATERIALS NORTH AMERICA LLC  
N115 W19392 EDISON DRIVE  
GERMANTOWN, WI 53022, USA

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

IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC  
Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: +1 703-741-5971 (collect calls accepted)  
FOR TECHNICAL INFORMATION CONTACT: +1-262-293-0251

## SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS CLASSIFICATION: Highly flammable liquids (category 2),

Pictogram



Signal Word

**Danger**

## SECTION 2 HAZARDS IDENTIFICATION (Cont.)

### Hazard Statements

H225	Highly flammable liquid and vapor
H261	In contact with water releases flammable gas
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

### Precautionary Phrases

P210	Keep away from heat/sparks/open flames/hot surfaces - No smoking
P223	Keep away from any possible contact with water, because of violent reaction and possible flash fire.
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P260	Do not breathe dust/fume/gas/mist/vapors/spray
P264	Wash hands thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P231 + P232	Handle under inert gas, protect from moisture
P310	Immediately call a POISON CENTER or a doctor/physician
P363	Wash contaminated clothing before reuse
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
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
P335 + P334	Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages
P370 + P378	In case of fire: Use carbon dioxide or dry powder for extinction
P402 + P404	Store in a dry place. Store in a closed container
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up

### OTHER HAZARDS

Additional precautionary phrases are located throughout the safety data sheet

### NFPA 704 RATINGS (SCALE 0-4):

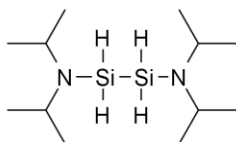
Health: 1

Flammability: 4

Reactivity: 2

SPECIAL: WATER REACTIVE

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS



Formula:  $C_{12}H_{32}N_2Si_2$

CHEMICAL NAME	CAS#	PURITY
1,2-Bis(diisopropylamino)disilane (BDIPADS)	151625-26-2	99+%

## SECTION 4 FIRST AID MEASURES

**EYE EXPOSURE:** Immediately flush eyes with plenty of water for at least 15 minutes. A victim may need help keeping their eyelids open. Seek immediate medical attention.

**SKIN EXPOSURE:** Wash off immediately with plenty of water for at least 15 minutes. Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay.

**INHALATION:** Move victim into fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty breathing, coughing, wheezing, or pain. Seek medical attention.

**INGESTION:** Never give anything by mouth to an unconscious person. Immediately give large quantities of water to drink. Do NOT induce vomiting. Seek immediate medical attention.

1,2-Bis(diisopropylamino)disilane

## SECTION 5 FIREFIGHTING MEASURES

### EXTINGUISHING MEDIA:

Suitable Use dry chemical or carbon dioxide.  
Unsuitable DO NOT USE WATER!

### HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, nitrous oxide, and silicon dioxide

### ADVICE FOR FIRE FIGHTERS

Wear self-contained breathing apparatus for firefighting if necessary.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Wear suitable protective clothing, gloves, eye, and face protection. Use self-contained breathing apparatus and chemically protective clothing. Remove all sources of ignition. Evacuate personnel to safe areas.

### ENVIRONMENTAL PRECAUTIONS

Do not allow material to enter drains or streams.

### METHODS AND MATERIALS

Approach suspected leak areas with caution. Absorb with inert absorbent materials such as: Dry sand, vermiculite, activated charcoal. Use appropriate chemical waste container.

## SECTION 7 HANDLING AND STORAGE

### PERSONAL PRECAUTIONS

Avoid contact with skin and eyes. Keep away from sources of ignition. Prevent buildup of electrostatic charge. Avoid inhalation of vapor or mist.

### CONDITIONS FOR SAFE STORAGE

Keep container tightly closed in a dry and well-ventilated place. Store in a cool place. Do NOT store with oxidizing and acidic materials. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Protect from humidity and water.

### INCOMPATIBILITIES:

Exposure to air, moisture, oxidizing agents, acids.

## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Maintain process conditions to ensure temperature is below flashpoint. Be sure there is adequate ventilation. Be sure to provide readily accessible eye wash stations and safety showers.

### PERSONAL PROTECTIVE EQUIPMENT

**RESPIRATORY PROTECTION:** Use a full-face air-purifying respirator with multi-purpose combination or type ABEK 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.

**EYE/FACE PROTECTION:** Wear chemical safety goggles.

**SKIN PROTECTION:** Compatible chemical-resistant gloves.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**COLOR AND FORM:** Colorless liquid  
**FORMULA MASS:** 260.57g/mol  
**ODOR:** Pungent smell  
**ODOR THRESHOLD:** No data available  
**pH:** Not available  
**MELTING POINT/ FREEZING POINT:** not available  
**BOILING POINT:** 235 °C @ 760 torr; 68 °C @ 0.05 torr  
**FLASH POINT:** No data available  
**EVAPORATION RATE:** No data available  
**UPPER/LOWER FLAMMABILITY/EXPLOSION LIMITS:** no data available  
**VAPOR PRESSURE:** 1 Torr @ 75 deg. C  
**VAPOR DENSITY:** no data available  
**SPECIFIC GRAVITY:** 0.8g/ml  
**SOLUBILITY IN WATER:** Reacts violently  
**PARTITION COEFFICIENT: N-OCTANOL/WATER:** no data available  
**AUTO-IGNITION TEMPERATURE:** Do not risk (at 20 deg. C)  
**DECOMPOSITION:** No data available  
**VISCOSITY:** No data available

## SECTION 10 STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable in sealed containers and stored under a dry inert atmosphere.  
**POSSIBILITY OF HAZARDOUS REACTION:** Will not polymerize.  
**CONDITIONS TO AVOID:** Heat, flame, and sparks. Exposure to moisture.  
**INCOMPATIBLE MATERIALS:** Strong oxidizing agents and halogens, and strong acids.  
**HAZARDOUW DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, silicon dioxide, and organic fumes.

## SECTION 11 TOXICOLOGICAL DATA

**ACUTE TOXICITY:** No data available.  
**SKIN CORROSIVE/IRRITANT:** Can cause severe burns to the skin.  
**SEROUS EYE DAMAGE/IRRITATION:** Can cause serious damage to eyes.  
**RESPIRATORY OR SKIN SENSITIZATION:** No data available  
**GERM CELL MUTAGENICITY:** No data available  
**CARCINOGENICITY:** No data available  
**REPRODUCTIVE TOXICITY:** No data available  
**STOT-Single Exposure:** No data available  
**STOT-Repeated Exposure:** No data available  
**ASPIRATION HAZARD:** No data available

## SECTION 12 ECOLOGICAL DATA

**TOXICITY:** No data available  
**PERSISTENCE AND DEGRADABILITY:** No data available  
**BIOACCUMULATIVE POTENTIAL:** No data available  
**MOBILITY IN SOIL:** No data available  
**OTHER ADVERSE EFFECTS:** No data available

## SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of all product and materials in accordance with all applicable federal, state, and local regulations.

## SECTION 14 TRANSPORTATION DATA

Flammable liquid, corrosive, n.o.s. (1,2-Bis(diisopropylamino)disilane)

UN2924 Class 3 (8) PG: II

DOT, IATA, IMDG Regulated

Marine pollutant: No data available.

## SECTION 15 REGULATORY INFORMATION

**INDUSTRIAL SAFETY AND HEALTH ACT:** Title compound not listed.

**TOXIC CHEMICAL CONTROL ACT:** Title compound not listed.

**DANGEROUS MATERIAL SAFETY CONTROL ACT:** 3<sup>rd</sup> Group Spontaneously Combustible Material and Water-Prohibited Materials (Organic metal compounds)

**WASTES MANAGEMENT ACT:** Title compound not listed.

**OTHER REQUIREMENTS IN DOMESTIC AND OTHER COUNTRIES:** Title compound not listed.

## 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: 04/2017

SDS DEPT