

SAFETY DATA SHEET

Section 1: Identification

Product Name: PiperION-A

Chemical Name/Synonyms: poly[(p-terphenyl-4,4'-diyl)(N,N-dimethyl-piperidinium-bicarbonate-4,4'-diyl)-co-(p-terphenyl-4,4'-diyl)(2,2,2-trifluoro-1-phenylethylidene-diyl)]; PAP-TP-85-HCO₃

Company: DISI: W7energy LLC

In emergency call 911.

For information about this SDS, use this department contact phone#: 3022008619

Section 2: Hazard(s) Identification

See <https://www.sigmaaldrich.com/safety-center/globally-harmonized.html> for a list of hazard classifications, signal words, hazard statements, pictograms, precautionary statements, and a description of hazards.

Hazard Classification:

Signal Word(s): Warning

Hazard Statements: May form combustible dust concentrations in air

Pictograms: none

Precautionary Statements: none

Description of other hazards: none

Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	Conc.
poly[(p-terphenyl-4,4'-diyl)(N,N-dimethyl-piperidinium-bicarbonate-4,4'-diyl)-co-(p-terphenyl-4,4'-diyl)(2,2,2-trifluoro-1-phenylethylidene-diyl)]	4-Piperidinone, 1-methyl-, polymer with 1,1':4',1''- terphenyl and 2,2,2-trifluoro-1-phenylethanone, compd. with N-methyl, carbonates; PAP-TP-85-HCO ₃	2304456-81-1	100%

Section 4: First-Aid Measures			
<p>If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration.</p> <p>In case of skin contact Wash off with soap and plenty of water.</p> <p>In case of eye contact Flush eyes with water as a precaution.</p> <p>If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water.</p>			
Section 5: Fire-Fighting Measures			
<p>Suitable extinguishing agents: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.</p> <p>Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.</p>			
Section 6: Accidental Release Measures			
<p>Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.</p> <p>Environmental precautions Do not let product enter drains.</p> <p>Methods and materials for containment and cleaning up Sweep up and shovel. Keep in suitable, closed containers for disposal.</p> <p>Reference to other sections For disposal see section 13.</p>			
Section 7: Handling and Storage			
<p>Precautions for safe handling Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.</p> <p>Conditions for safe storage, including any incompatibilities Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.</p> <p>Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated</p>			
Section 8: Exposure Controls/Personal Protection			

General protective and hygienic measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Breathing equipment: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Protection of hands: 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: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Section 9: Physical and Chemical Properties

Form: Solid

Color: Colorless or light yellow

Odor: none

Odor threshold: No data available

pH: 7-8

Melting point/melting range: No data available

Boiling point/boiling range: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability: No data available

Upper/lower flammability or explosive limits: No data available

Auto ignition temperature: No data available

Danger of explosion: No data available

Vapor pressure: No data available

Vapor density: No data available

Relative density: No data available

Solubility in/Miscibility with water: No data available

Section 10: Stability and Reactivity

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Heat

Incompatible materials: Amines, Strong reducing agents, Strong oxidizing agents, Bases

Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides Other decomposition products - No data available. In the event of fire: see section 5

Section 11: Toxicological Information

Acute toxicity: No data available

Potential routes of exposure/potential health effects

Skin: No data available

Eye: No data available

Inhalation: No data available

Ingestion: No data available

Carcinogenic effects: No data available

Mutagenic effects: No data available

Reproductive toxicity: No data available

Sensitization: No data available

Target organs: No data available

Section 12: Ecological Information (non-mandatory)

Ecotoxicity:

Mobility:

Biodegradation:

Bioaccumulation:

Section 13: Disposal Considerations (non-mandatory)

Section 14: Transport Information (non-mandatory)

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Section 15: Regulatory Information (non-mandatory)

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

No components are subject to the Pennsylvania Right To Know Act.

New Jersey Right To Know Components

No components are subject to the New Jersey Right To Know Act.

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

SDS date of preparation/update: 9/15/2020