SAFETY DATA SHEET
trans-ISRIB

Section 1: Identification

Product name:
trans-ISRIB

Chemical name:
(1R,2R)-1,2-bis(4-chlorophenyl)-N,N'-[(cyclohexane-1,4-diyl)bis(methylene)]bis(glyoxylamide)

CAS number:
1597403-47-8

Molecular formula:
C22H20Cl2N4O2

Molecular weight:
471.33 g/mol

Recommended use:
Laboratory research use only

Uses advised against:
Not for food, drug, cosmetic or household use.

Section 2: Hazard(s) identification

Classification according to Regulation (EC) No. 1272/2008 (CLP):
• Skin irritation, Category 2
• Eye irritation, Category 2
• STOT SE 3 (respiratory irritation)

Signal word:
Warning

Hazard statements
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary statements
P261 Avoid breathing dust
P264 Wash hands thoroughly after handling
P280 Wear protective gloves, protective clothing and eye protection

P302+352 IF ON SKIN: Wash with plenty of soap and water
P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes

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Section 3: Composition / information on ingredients

Substance:
trans-ISRIB

CAS:
1597403-47-8

Molecular formula:
C22H20Cl2N4O2

Molecular weight:
471.33 g/mol

The product is supplied as a single substance for laboratory use.

Section 4: First aid measures

General advice
Seek medical attention if symptoms occur.

Inhalation
Move affected person to fresh air. If irritation persists, seek medical attention.

Skin contact
Wash with plenty of soap and water. Remove contaminated clothing.

Eye contact
Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Ingestion
Rinse mouth with water. Do not induce vomiting unless directed by medical personnel.

Section 5: Fire-fighting measures

Suitable extinguishing media
Water spray, dry chemical, foam or carbon dioxide.

Hazardous combustion products
Carbon oxides, nitrogen oxides, hydrogen chloride and other irritating fumes may form during combustion.

Advice for firefighters
Wear self-contained breathing apparatus and full protective clothing.

Section 6: Accidental release measures

Personal precautions
Avoid dust formation. Ensure adequate ventilation. Wear appropriate protective equipment.

Environmental precautions
Prevent entry into drains and water systems.

Methods for cleaning up
Collect spilled material carefully and place in a suitable container for disposal.

Section 7: Handling and storage

Handling
Handle in accordance with good laboratory safety practices. Avoid contact with skin and eyes. Avoid breathing dust.

Storage
Store in a tightly sealed container in a cool, dry and well-ventilated area. Protect from moisture and direct sunlight.

Section 8: Exposure controls / personal protection

Engineering controls
Use adequate ventilation or chemical fume hood.

Eye protection
Safety glasses or chemical safety goggles.

Hand protection
Protective gloves.

Skin protection
Laboratory coat or suitable protective clothing.

Respiratory protection
Use respiratory protection if dust exposure is possible.

Hygiene measures
Wash hands thoroughly after handling.

Section 9: Physical and chemical properties

Appearance: Powder
Color: White to off-white
Odor: No data available
Melting point: No data available
Boiling point: No data available
Solubility: Soluble in DMSO and ethanol; limited solubility in water

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Section 10: Stability and reactivity

Chemical stability
Stable under recommended storage conditions.

Conditions to avoid
Heat, moisture, direct sunlight.

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
Carbon oxides, nitrogen oxides and hydrogen chloride.

Section 11: Toxicological information

May cause skin irritation and serious eye irritation.
May cause respiratory irritation.
Toxicological properties have not been fully investigated.

Section 12: Ecological information

No specific ecological data available.
Avoid uncontrolled release to the environment.

Section 13: Disposal considerations

Dispose of contents and container in accordance with local, regional and national regulations. Handle as laboratory chemical waste.

Section 14: Transport information

Not classified as dangerous goods for transport under ADR / IMDG / IATA regulations.

Section 15: Regulatory information

This substance is supplied for laboratory research purposes only.

Section 16: Other information

The information provided in this Safety Data Sheet is based on available chemical data and is intended for laboratory use and handling guidance.