

GHS Material Safety Data Sheet

MSDS No. :SRR19LAEG

Date Issued: 1999/07/20

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Section 1. Identification of the substance or mixture and of the supplier

1.1 Product Information

Product name: Strontium bis[tantalum(pentaethoxide)(2-methoxyethoxide)]

Product number:	Purity	Form
SRR08LB	—	liquid

1.2 Company Information:

Manufacturer : Kojundo Chemical Laboratory Co., Ltd.

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Section 2. Hazards identification

GHS Classification

Health Hazards	Environmental Hazards	Physical Hazards
No data available	No data available	No data available

GHS Label: Not applicable

Pictograms or symbols : Not applicable

Warning word: Not applicable

Hazard information: Not applicable

Description of precaution: Not applicable

Additional hazard information :With respect to additional hazard information, see Section 11.

Section 3. Composition / information on ingredients

Chemical or common name: Strontium bis[tantalum(pentaethoxide)(2-methoxyethoxide)]

Single Substance or Compound: Single substance

Chemical formula: Sr[Ta(OC₂H₅)₅(OC₂H₄OCH₃)₂]₂

Composition: 100%

CAS #: 329308-80-7

RTECS#: not listed

TSCA inventory : not listed

EINECS: not listed

(See Section 8 for **Exposure Limits**)

Section 4. First aid measures

Eye contact:	Promptly rinse eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
Skin contact:	Remove immediately all contaminated clothing. Wipe off the product immediately by tissue or soft cloth, etc. Promptly flush contaminated skin with soap or mild detergent and water. Contact physician if irritation continues.
Ingestion:	Rinse mouth and throat with water. Get medical attention immediately.
Inhalation:	Remove the exposed person immediately and provide fresh air. Get medical attention.

Section 5. Fire fighting measures

Chemical Name	Flash Point	Autoignition Temperature	Explosion Level (Lower-Upper)	Vapour Pressure	Vapour Density
Title compound	ND	ND	ND	13.3Pa/175°C	ND

ND; no data available

Extinguishing agents:	Carbon dioxide, Dry chemical powder, Water fog or foam. DO NOT use a direct water stream.
Fire fighting:	Flammable material. Burning material releases toxic organic fumes. Remove containers to safe place if possible. Use water spray to Cool down nearby structures and containers. Self-contained breathing apparatus and full protective clothing should be used, if the material is involved in fire.

Section 6. Accidental release measures

Personal Precaution:	Workers should use protective wears to prevent contact with the spilt adhesive and inhalation of its vapour.
Environmental hazard precaution:	Shut off leak if without risk. Prevent flow out to river, etc. so as not to badly affect.
Methods for containment and cleaning up:	Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Remove all sources of ignition. Indoor leakage: Ventilate as much as possible until the cleaning is completed. Outdoor leakage: Work from the windward and evacuate the leeward crowd. Absorb or cover with vermiculite or other suitable absorbent, and dispose of DOT-approved waste containers as much as possible. Carefully wash spill site with plenty of water after material pick up.

Section 7. Handling and storage

Precautions to be taken in handling:

Safe handling: Handle the material in a dry inert gas atmosphere, utilizing glove bag or glove box. Keep away from moisture when handling.
 Keep container or bottle tightly closed when not in use.
 Avoid prolonged or repeated exposure.
 Handling worker wears suitable protective clothing.
 Keep away from heat, sparks and naked flame.

Precautions to be taken in storage:

General Store the material in a sealed container.
 precautions: Store in a cool, dry, well ventilated and dark place away from incompatible materials.
 Keep away from any heat, sparks, and flames.

Section 8. Exposure controls / personal protection

Exposure guideline: ACGIH(2008)TLV :No data available
 OSHA(2006)PEL :No data available

Facility measures: Local ventilation of closed work room or total proper ventilation to prevent inhalation.

Protective ware: Wear appropriate NIOSH/MSHA-approved respirator, safety goggles, impervious gloves, protective wear, protective boots.

Section 9. Physical and chemical properties

Color and Form:

Color and Form: Colorless liquid

Chemical formula: Sr[Ta(OC₂H₅)₅(OC₂H₄OCH₃)₂]

Formula weigh 1050.3

Melting point: < 0 °C

Boiling point: 175°C/13.3Pa

Density: 1.46 g/cm³

Solubility: Water; Decomposes
 THF, Toluene; miscible

Flammable: Flammable substance

Oxidation: None

Section 13. Disposal considerations

Disposal method: User of the product should contract with the local government or licensed 'Industrial Waste Haulers' for disposal of waste.

Section 14. Transport information

UN classification: Not hazardous
UN number: None
HS code: 2905.19
Marine pollution: None
Precautions: Container should be transported in a secure position, in a well-ventilated vehicle.

Section 15. Regulatory information

TSCA inventory : Strontium bis[tantalum(pentaethoxide)(2-methoxyethoxide)];not listed.
Please refer to any other local / national measures that may be relevant.

Section 16. Other information

The information described above is believed to be correct. However, Kojundo Chemical Lab. makes no representation, warranty nor guarantee of any kind with respect to the information on this data sheet or any use of the product based upon this information.