



Section 1. Product and Company Identification

Product Name Stannous Oxide
CAS Number 21651-19-4

Parchem - fine & specialty chemicals
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Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008: The substance is not classified according to the CLP regulation.

Hazard and precautionary statements

Hazard statements: Void

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Section 3. Composition / Information on Ingredients

Common Name Stannous Oxide
CAS Number 21651-19-4

Section 4. First Aid Measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If symptoms persist consult doctor.

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

Section 5. Firefighting Measures

Extinguishing media

Suitable extinguishing agents: Foam, Carbon dioxide, Fire-extinguishing powder, Water spray

Special hazards arising from the substance or mixture

In case of fire, the following can be released: Tin oxide

Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Avoid formation of dust. Wear protective clothing.

Environmental precautions: Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil.

Methods and material for containment and cleaning up: Pick up mechanically.

Section 7. Handling and Storage

Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep receptacle tightly sealed. Store in cool, dry conditions in well-sealed receptacles

Section 8. Exposure Controls / Personal Protection

Control parameters

Components with limit values that require monitoring at the workplace

21651-19-4 Tin monoxide

REL Long-term value: 2 mg/m³ as Sn

TLV Long-term value: 2 mg/m³ as Sn

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures: Do not eat, drink, smoke or sniff while working. Wash hands before breaks and at the end of work.



Breathing equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air. Use suitable respiratory protective device in case of insufficient ventilation.

Short term filter device: Filter P1.

Protection of hands: Neoprene gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses

Body protection: suitable clothing

Section 9. Physical and Chemical Properties

Form: Powder

Color: Black

Odor: Odorless

Melting point/Melting range: undetermined

Boiling point/Boiling range: undetermined

Flash point: Not applicable

Auto igniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

Density at 20 °C (68 °F): 6.5 g/cm³ (54.243 lbs/gal)

Solubility in / Miscibility with Water: Insoluble

Other information: No further relevant information available.

Section 10. Stability and Reactivity

Reactivity

Chemical stability

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: Risk of dust explosion if enriched with fine dust in the presence of air

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known

Section 11. Toxicological Information

Acute toxicity

Primary irritant effect

On the skin: No irritant effect.



On the eye: No irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information: The product is not subject to classification according to internally approved calculation methods for preparations. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories

IARC (International Agency for Research on Cancer): Substance is not listed.

NTP (National Toxicology Program): Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration): Substance is not listed.

Section 12. Ecological Information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information

General notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

UN-Number

DOT, ADR, ADN, IMDG, IATA: N/A

UN proper shipping name

DOT, ADR, ADN, IMDG, IATA: N/A

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA Class: N/A



Packing group

DOT, ADR, IMDG, IATA: N/A

Environmental hazards

Marine pollutant: No

Special precautions for user: Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

Transport/Additional information: Not dangerous according to the above specifications

Section 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Section 355 (extremely hazardous substances): Substance is not listed.

SARA Section 313 (specific toxic chemical listings): Substance is not listed.

TSCA (Toxic Substances Control Act): Substance is listed.

Prop 65 - Chemicals known to cause cancer: Substance is not listed.

Carcinogenicity categories

EPA (Environmental Protection Agency): Substance is not listed.

TLV (Threshold Limit Value established by ACGIH): Substance is not listed.

MAK (German Maximum Workplace Concentration): Substance is not listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): Substance is not listed.

Labelling according to Regulation (EC) No 1272/2008: Void

Hazard pictograms: Void

Signal word: Void

Hazard statements: Void

National regulations

Water hazard class

Water hazard class 1 (German Regulation) (Self-classification): slightly hazardous for water

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.



Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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