



SAFETY DATA SHEET

Ref: SDS-016  
Date: 14<sup>th</sup> February 2022  
Issue: 10  
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**StanoStat A20W**

<b>1</b>	<b><u>Identification of the substance/mixture and of the company/undertaking</u></b>	
<b>1.1.</b>	<b>Product identifier</b>	StanoStat A20W
	CAS Number	68187-54-2
	IUPAC Nomenclature:	tin antimony grey cassiterite
	Synonyms:	antimony tin oxide, conductive tin oxide, conductive tin compound
	EU REACH registration number:	01-2120758804-45-0007
	UK REACH registration number:	UK-01-3405283560-9-0001
<b>1.2.</b>	<b>Relevant identified uses of the substance or mixture and uses advised against</b>	
	Uses of the mixture include, but are not limited to, as a raw material for use in flat-panel displays There are currently no uses that are advised against for the mixture	
<b>1.3.</b>	<b>Details of the supplier of the safety data sheet</b>	
		Keeling & Walker Limited Whieldon Road, Stoke-on-Trent, ST4 4JA, U.K.
	E-mail:	technical@keelingwalker.co.uk
<b>1.4.</b>	<b>Emergency telephone number</b>	+ 44 (0) 1782 744 136

<b>2</b>	<b><u>Hazards identification</u></b>	
<b>2.1.</b>	<b>Classification of the substance or mixture</b>	
	StanoStat A20W is not classified as a hazardous substance for carriage or supply	
<b>2.2.</b>	<b>Label Elements</b>	Not applicable
<b>2.3.</b>	<b>Other hazards</b>	Chronic exposure to tin dioxide dust may cause Stannosis (pneumoconiosis)

<b>3</b>	<b><u>Composition/information on ingredients</u></b>	
<b>3.2.</b>	<b>Mixtures</b>	
	StanoStat A20W is an aqueous colloidal dispersion of a mixed metal oxide of tin and antimony. Nominal solids content 20% w/w	
	Composition of the mixed metal oxide:	
	tin oxide: 80% minimum	antimony oxide: 20% maximum
	Synonyms:	tin antimony grey cassiterite, antimony tin oxide, conductive tin oxide, conductive tin compound
	CAS Number:	68187-54-2 EC Number: 269-105-9

**StanoStat A20W****4 First aid measures****4.1. Description of first aid measures**

Inhalation: If inhalation of dried material occurs remove from exposure to fresh air.

Skin contact: Remove clothing and wash affected area with soap and water.

Eye contact: Flush eyes with copious amounts of water.

Ingestion: In case of persistent symptoms consult doctor

**4.2. Most important symptoms and effects, both acute and delayed**

Chronic exposure to tin oxide dust may cause Stannosis (pneumoconiosis)

**4.3. Indication of any immediate medical attention and special treatment needed**

No additional requirements other than those listed in Section 4.1.

**5 Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media: As appropriate to the surrounding environment

Unsuitable extinguishing media: None

**5.2. Special hazards arising from the substance or mixture**

Special hazards: None known

**5.3. Advice for firefighters**

Additional advice for firefighters: Use self-contained breathing apparatus

**6 Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment as required. Do not breathe dust of dried material.

**6.2. Environmental precautions**

No special measures required. Dispose of material to authorised waste contractor

**6.3. Methods and material for containment and cleaning up**

Vacuum cleaner or wet-sweeping. Do not generate dust if material has been allowed to dry.

Place in sealed plastic bags for disposal. Neutralising chemicals not required

**6.4. Reference to other sections**

Refer to Sections 8 and 13 for exposure controls/personal protection and disposal considerations

**7 Handling and storage****7.1. Precautions for safe handling**

Use personal protective equipment as required

**7.2. Conditions for safe storage, including any incompatibilities**

No special requirements

**7.3. Specific end use(s)**

Refer to Section 1.2.

**StanoStat A20W****8 Exposure controls/personal protection****8.1. Control parameters**

Inhalation: Workplace Exposure Limits for dried material:

Tin oxide: 2mg.m<sup>-3</sup> (as Sn) Long-term exposure limit  
(8-hour TWA reference period)

4mg.m<sup>-3</sup> (as Sn) Short-term exposure limit  
(15-minute reference period)

Antimony oxide 0.5mg.m<sup>-3</sup> (as Sb) Long-term exposure limit  
(8-hour TWA reference period)

**8.2. Exposure controls**

Use local exhaust ventilation or adequate respiratory protective equipment to maintain exposure below Workplace Exposure Limits. Wear protective gloves, protective clothing and eye protection

**9 Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Appearance: Blue-grey liquid

Odour: Odourless

pH: Between 7 and 10

Melting point: No information

Boiling point: No information

Flammability: Non-flammable

Solubility in water: Infinitely dispersible

**9.2. Other information**

Non-applicable

**10 Stability and reactivity**

**10.1. Reactivity** Stable under normal conditions of storage and use

**10.2. Chemical stability** Stable under normal conditions of storage and use

**10.3. Possibilities of hazardous reactions** None known

**10.4. Conditions to avoid** None known

**10.5. Incompatible materials** Substances which may lead to the formation of volatile hydrides or halides of organic tin compounds

**10.6. Hazardous decomposition products** None known

**11 Toxicological information****11.1. Information on toxicological effects**

Inhalation: Chronic exposure to tin oxide dust may cause Stannosis (pneumoconiosis)

Ingestion: Tin oxide: LD<sub>50</sub> greater than 2.0g/kg bodyweight  
Antimony oxide: LD<sub>50</sub> greater than 34.6g/kg bodyweight

Eye contact: May be irritating to eyes

Skin contact: May cause skin irritation or dermatitis

**StanoStat A20W****12 Ecological information**

The mixed metal oxide of tin and antimony is practically insoluble in water, and is stable and inert under normal environmental conditions

<b>12.1. Toxicity</b>	No data
<b>12.2. Persistence and degradability</b>	No data
<b>12.3. Bioaccumulative potential</b>	No data
<b>12.4. Mobility in soil</b>	No data
<b>12.5. Results of PBT and vPvB assessment</b>	No data
<b>12.6. Other adverse effects</b>	None known

**13 Disposal considerations****13.1. Waste treatment methods**

Disposal of product: Dispose of contents/container to authorised waste contractor  
Disposal of packaging: Dispose of contents/container to authorised waste contractor

**14 Transport information**

<b>14.1. UN Number</b>	Not classified as dangerous goods
<b>14.2. UN proper shipping name</b>	Not applicable
<b>14.3. Transport hazard class(es)</b>	Not applicable
<b>14.4. Packing group</b>	Not applicable
<b>14.5. Environmental hazards</b>	None known
<b>14.6. Special precautions for user</b>	None
<b>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable

**15 Regulatory information**

<b>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	Not applicable
<b>15.2. Chemical safety assessment</b>	Not currently available

**16 Other information**

Exposure limits reference: EH40/2005 Workplace exposure limits  
Compiled in accordance with: Regulation (EC) No. 1272/2008  
The information given is based on our present state of knowledge and does not represent a guarantee of any product characteristics  
Supersedes Issue 9 Dated: 13<sup>th</sup> November 2019