# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

| | |
|---|---|
| **Name of the substance** | Tin Selenide (SnSe) |
| **Identification number** | 034-002-00-8 (Index number) |
| **Synonyms** | None. |
| **Document number** | 2CQ |
| **Materion Code** | 2CQ |
| **Issue date** | 11-November-2015 |
| **Version number** | 02 |
| **Revision date** | 15-January-2018 |
| **Supersedes date** | 11-November-2015 |

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

| | |
|---|---|
| **Identified uses** | Not available. |
| **Uses advised against** | None known. |

### 1.3. Details of the supplier of the safety data sheet

**Supplier**

| | |
|---|---|
| **Company name** | Materion Advanced Chemicals Inc. |
| **Address** | 407 N. 13th Street<br>1316 W. St. Paul Avenue<br>Milwaukee, WI 53233<br>United States |
| **Division** | Milwaukee |
| **Telephone** | 414.212.0257 |
| **e-mail** | advancedmaterials@materion.com |
| **Contact person** | Noreen Atkinson |

### 1.4. Emergency telephone number

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classificatior applies.

**Classification according to Regulation (EC) No 1272/2008 as amended**

**Health hazards**

| | | |
|---|---|---|
| Acute toxicity, oral | Category 3 | H301 - Toxic if swallowed. |
| Acute toxicity, inhalation | Category 3 | H331 - Toxic if inhaled. |
| Specific target organ toxicity - repeated exposure | Category 2 | H373 - May cause damage to organs through prolonged or repeated exposure. |

**Environmental hazards**

| | | |
|---|---|---|
| Hazardous to the aquatic environment, acute aquatic hazard | Category 1 | H400 - Very toxic to aquatic life. |
| Hazardous to the aquatic environment, long-term aquatic hazard | Category 1 | H410 - Very toxic to aquatic life with long lasting effects. |

**Hazard summary** Toxic if inhaled. Toxic if swallowed. May cause damage to organs through prolonged or repeatec exposure. Dangerous for the environment if discharged into watercourses. Occupational exposure to the substance or mixture may cause adverse health effects.

### 2.2. Label elements

**Label according to Regulation (EC) No. 1272/2008 as amended**

**Contains:** Tin Selenide (SnSe)

**Hazard pictograms**

**Signal word** Danger

**Hazard statements**

| | |
|---|---|
| H301 | Toxic if swallowed. |
| H331 | Toxic if inhaled. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

**Precautionary statements**

**Prevention**

| | |
|---|---|
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray. |
| P261 | Avoid breathing dust. |
| P264 | Wash thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P273 | Avoid release to the environment. |

**Response**

| | |
|---|---|
| P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTRE/doctor. |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P311 | Call a POISON CENTRE/doctor. |
| P330 | Rinse mouth. |
| P391 | Collect spillage. |

**Storage**

| | |
|---|---|
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |

**Disposal**

| | |
|---|---|
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

**Supplemental label information** For further information, please contact the Product Stewardship Department at +1.800.862.4118.

**2.3. Other hazards** None known.

## SECTION 3: Composition/information on ingredients

**3.1. Substances**

**General information**

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | INDEX No. | Notes |
|---|---|---|---|---|---|
| Tin Selenide (SnSe) | 90 - 100 | 1315-06-6<br>215-257-6 | - | 034-002-00-8 | # |
| **Classification:** | Acute Tox. 3;H301, Acute Tox. 3;H331, STOT RE 2;H373, Aquatic Acute 1;H400, Aquatic Chronic 1;H410 | | | | A |

**List of abbreviations and symbols that may be used above**

M: M-factor
vPvB: very persistent and very bioaccumulative substance.
PBT: persistent, bioaccumulative and toxic substance.
#: This substance has been assigned Community workplace exposure limit(s).

**Composition comments** The full text for all H-statements is displayed in section 16.

## SECTION 4: First aid measures

**General information** If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

**4.1. Description of first aid measures**

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTRE or doctor/physician.

**Skin contact** Wash off with soap and water. Get medical attention if irritation develops and persists.

| | |
|---|---|
| **Eye contact** | Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists. |
| **Ingestion** | Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. |
| **4.2. Most important symptoms and effects, both acute and delayed** | Prolonged exposure may cause chronic effects. |
| **4.3. Indication of any immediate medical attention and special treatment needed** | Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed. |

## SECTION 5: Firefighting measures

| | |
|---|---|
| **General fire hazards** | No unusual fire or explosion hazards noted. |
| **5.1. Extinguishing media** | |
| **Suitable extinguishing media** | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). |
| **Unsuitable extinguishing media** | Do not use water jet as an extinguisher, as this will spread the fire. |
| **5.2. Special hazards arising from the substance or mixture** | During fire, gases hazardous to health may be formed. |
| **5.3. Advice for firefighters** | |
| **Special protective equipment for firefighters** | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| **Special firefighting procedures** | Use water spray to cool unopened containers. |
| **Specific methods** | Use standard firefighting procedures and consider the hazards of other involved materials. |

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

| | |
|---|---|
| **For non-emergency personnel** | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| **For emergency responders** | Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS. |
| **6.2. Environmental precautions** | Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. |
| **6.3. Methods and material for containment and cleaning up** | Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Prevent product from entering drains. Stop the flow of material, if this is without risk.<br><br>Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.<br><br>Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. |
| **6.4. Reference to other sections** | For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS. |

## SECTION 7: Handling and storage

| | |
|---|---|
| **7.1. Precautions for safe handling** | Minimise dust generation and accumulation. Avoid breathing dust. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. |

**7.2. Conditions for safe storage, including any incompatibilities** Store locked up. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

**7.3. Specific end use(s)** Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Occupational exposure limits**

**Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09**

| Material | Type | Value |
|---|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | MAC | 0,1 mg/m3 |

**Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.**

| Material | Type | Value |
|---|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | TWA | 0,2 mg/m3 |

**Denmark. Exposure Limit Values**

| Material | Type | Value |
|---|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | TLV | 2 mg/m3 |

**Finland. Workplace Exposure Limits**

| Material | Type | Value |
|---|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | STEL | 0,3 mg/m3 |

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**

| Material | Type | Value | Form |
|---|---|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | TWA | 0,02 mg/m3 | Inhalable fraction. |

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment**

| Material | Type | Value |
|---|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | TWA | 2 mg/m3 |

**Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A**

| Material | Type | Value |
|---|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | TWA | 2 mg/m3 |

**Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)**

| Material | Type | Value |
|---|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | TWA | 2 mg/m3 |

**Poland. MACs. Regulation regarding maximum permissible concentrations and intensities of harmful factors in the work environment, Annex 1**

| Material | Type | Value |
|---|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | STEL | 0,3 mg/m3 |

**Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)**

| Material | Type | Value |
|---|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | TWA | 2 mg/m3 |

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

| Material | Type | Value |
|---|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | STEL | 0,2 mg/m3 |

**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

| Material | Type | Value |
|---|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | STEL | 4 mg/m3 |

**UK. EH40 Workplace Exposure Limits (WELs)**

| Material | Type | Value |
|---|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | STEL | 4 mg/m3 |

**EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU**

| Material | Type | Value |
|---|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | TWA | 2 mg/m3 |

**Biological limit values**

**Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices**

| Material | Value | Determinant | Specimen | Sampling time |
|---|---|---|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | 0,075 mg/g | Selenium | Creatinine in urine | * |
| | 0,11 µmol/mmol | Selenium | Creatinine in urine | * |

* - For sampling details, please see the source document.

**Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)**

| Material | Value | Determinant | Specimen | Sampling time |
|---|---|---|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | 150 µg/l | Selen | Serum | * |

* - For sampling details, please see the source document.

**Recommended monitoring procedures** Follow standard monitoring procedures.

**Derived no effect levels (DNELs)** Not available.

**Predicted no effect concentrations (PNECs)** Not available.

### 8.2. Exposure controls

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

**General information** Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection** If contact is likely, safety glasses with side shields are recommended.

**Skin protection**

**- Hand protection** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

**- Other** Wear suitable protective clothing. Use of an impervious apron is recommended.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**Hygiene measures** Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Environmental exposure controls** Inform appropriate managerial or supervisory personnel of all environmental releases.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Appearance**

**Physical state** Solid.

| | |
|---|---|
| **Form** | Solid. |
| **Colour** | Not available. |
| **Odour** | Not available. |
| **Odour threshold** | Not available. |
| **pH** | Not available. |
| **Melting point/freezing point** | Not available. |
| **Initial boiling point and boiling range** | Not available. |
| **Flash point** | Not available. |
| **Evaporation rate** | Not available. |
| **Flammability (solid, gas)** | Not available. |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | Not available. |
| **Flammability limit - upper (%)** | Not available. |
| **Vapour pressure** | Not available. |
| **Vapour density** | Not available. |
| **Relative density** | Not available. |
| **Solubility(ies)** | |
| **Solubility (water)** | Not available. |
| **Partition coefficient (n-octanol/water)** | Not available. |
| **Auto-ignition temperature** | Not available. |
| **Decomposition temperature** | Not available. |
| **Viscosity** | Not available. |
| **Explosive properties** | Not explosive. |
| **Oxidising properties** | Not oxidising. |
| **9.2. Other information** | |
| **Molecular formula** | SeSn |

## SECTION 10: Stability and reactivity

| | |
|---|---|
| **10.1. Reactivity** | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| **10.2. Chemical stability** | Material is stable under normal conditions. |
| **10.3. Possibility of hazardous reactions** | No dangerous reaction known under conditions of normal use. |
| **10.4. Conditions to avoid** | Contact with incompatible materials. |
| **10.5. Incompatible materials** | Strong oxidising agents. |
| **10.6. Hazardous decomposition products** | No hazardous decomposition products are known. |

## SECTION 11: Toxicological information

| | |
|---|---|
| **General information** | Occupational exposure to the substance or mixture may cause adverse effects. |
| **Information on likely routes of exposure** | |
| **Inhalation** | Toxic if inhaled. |
| **Skin contact** | No adverse effects due to skin contact are expected. |
| **Eye contact** | Direct contact with eyes may cause temporary irritation. |
| **Ingestion** | Toxic if swallowed. |
| **Symptoms** | Exposure may cause temporary irritation, redness, or discomfort. |

**11.1. Information on toxicological effects**

| | |
|---|---|
| **Acute toxicity** | Toxic if inhaled. Toxic if swallowed. |
| **Skin corrosion/irritation** | Due to partial or complete lack of data the classification is not possible. |
| **Serious eye damage/eye irritation** | Due to partial or complete lack of data the classification is not possible. |
| **Respiratory sensitisation** | Due to partial or complete lack of data the classification is not possible. |
| **Skin sensitisation** | Due to partial or complete lack of data the classification is not possible. |

| | |
|---|---|
| **Germ cell mutagenicity** | Due to partial or complete lack of data the classification is not possible. |
| **Carcinogenicity** | Due to partial or complete lack of data the classification is not possible. |

**Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)**

Not listed.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

| | |
|---|---|
| Tin Selenide (SnSe) (CAS 1315-06-6) | 3 Not classifiable as to carcinogenicity to humans. |

| | |
|---|---|
| **Reproductive toxicity** | Due to partial or complete lack of data the classification is not possible. |
| **Specific target organ toxicity - single exposure** | Due to partial or complete lack of data the classification is not possible. |
| **Specific target organ toxicity - repeated exposure** | May cause damage to organs through prolonged or repeated exposure. |
| **Aspiration hazard** | Due to partial or complete lack of data the classification is not possible. |
| **Mixture versus substance information** | No information available. |
| **Other information** | Not available. |

## SECTION 12: Ecological information

| | |
|---|---|
| **12.1. Toxicity** | Very toxic to aquatic life with long lasting effects. |
| **12.2. Persistence and degradability** | No data is available on the degradability of this product. |
| **12.3. Bioaccumulative potential** | No data available. |
| **Partition coefficient n-octanol/water (log Kow)** | Not available. |
| **Bioconcentration factor (BCF)** | Not available. |
| **12.4. Mobility in soil** | No data available. |
| **12.5. Results of PBT and vPvB assessment** | Not available. |
| **12.6. Other adverse effects** | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

| | |
|---|---|
| **Residual waste** | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| **Contaminated packaging** | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |
| **EU waste code** | The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| **Disposal methods/information** | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| **Special precautions** | Dispose in accordance with all applicable regulations. |

## SECTION 14: Transport information

**ADR**

| | |
|---|---|
| **14.1. UN number** | UN3283 |
| **14.2. UN proper shipping name** | Selenium compound, solid, n.o.s. (Tin Selenide (SnSe)) |

**14.3. Transport hazard class(es)**

| | |
|---|---|
| **Class** | 6.1(PGIII) |
| **Subsidiary risk** | - |
| **Label(s)** | 6.1 |
| **Hazard No. (ADR)** | 60 |
| **Tunnel restriction code** | E |

**14.4. Packing group** III
**14.5. Environmental hazards** No.
**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**RID**

**14.1. UN number** UN3283
**14.2. UN proper shipping name** Selenium compound, solid, n.o.s. (Tin Selenide (SnSe))
**14.3. Transport hazard class(es)**
**Class** 6.1(PGIII)
**Subsidiary risk** -
**Label(s)** 6.1
**14.4. Packing group** III
**14.5. Environmental hazards** No.
**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**ADN**

**14.1. UN number** UN3283
**14.2. UN proper shipping name** Selenium compound, n.o.s. (Tin Selenide (SnSe))
**14.3. Transport hazard class(es)**
**Class** 6.1(PGIII)
**Subsidiary risk** -
**Label(s)** 6.1
**14.4. Packing group** III
**14.5. Environmental hazards** No.
**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**IATA**

**14.1. UN number** UN3283
**14.2. UN proper shipping name** Selenium compound, solid, n.o.s. (Tin Selenide (SnSe))
**14.3. Transport hazard class(es)**
**Class** 6.1(PGIII)
**Subsidiary risk** -
**14.4. Packing group** III
**14.5. Environmental hazards** No.
**ERG Code** 6L
**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.
**Other information**
**Passenger and cargo aircraft** Allowed with restrictions.
**Cargo aircraft only** Allowed with restrictions.

**IMDG**

**14.1. UN number** UN3283
**14.2. UN proper shipping name** SELENIUM COMPOUND, SOLID, N.O.S. (Tin Selenide (SnSe))
**14.3. Transport hazard class(es)**
**Class** 6.1(PGIII)
**Subsidiary risk** -
**14.4. Packing group** III
**14.5. Environmental hazards**
**Marine pollutant** No.
**EmS** F-A, S-A
**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**ADN; ADR; IATA; IMDG; RID**


## SECTION 15: Regulatory information

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

**EU regulations**

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

**Authorisations**

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

**Restrictions on use**

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Not listed.

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.**

Not listed.

**Other EU regulations**

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

Tin Selenide (SnSe) (CAS 1315-06-6)

| | |
|---|---|
| **Other regulations** | The product is classified and labelled in accordance with EC directives or respective national laws This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended. |
| **National regulations** | Follow national regulation for work with chemical agents. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended. |
| **15.2. Chemical safety assessment** | No Chemical Safety Assessment has been carried out. |

## SECTION 16: Other information

| | |
|---|---|
| **List of abbreviations** | Not available. |
| **Information on evaluation method leading to the classification of mixture** | Not applicable. |

**Disclaimer**

Materion Advanced Chemicals Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.
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