MATERION

SAFETY DATA SHEET

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

1.1. Product identifier

Name of the substance Arsenic selenide (As2Se3) **Identification number** 215-119-5 (EC number)

Synonyms Arsenic selenide (As2Se3) * Aresenic selenide * Diarsenic triselenide

Document number Materion Code 1BV

Issue date 22-February-2018

Version number 01

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

Materion Advanced Chemicals Inc. Company name

Address 407 N. 13th Street

> 1316 W. St. Paul Avenue Milwaukee, WI 53233

United States

Division Milwaukee 414.212.0257 **Telephone**

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 classification applies.

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

Environmental hazards

Hazardous to the aquatic environment, acute Category 1

aquatic hazard

Hazardous to the aquatic environment, H410 - Very toxic to aquatic life Category 1

long-term aquatic hazard

with long lasting effects.

H400 - Very toxic to aquatic life.

Hazard summary Dangerous for the environment if discharged into watercourses.

2.2. Label elements

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

Contains: arsenic selenide

Hazard pictograms



Signal word Warning

Hazard statements

Very toxic to aquatic life. H400

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P273 Avoid release to the environment.

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Response

Collect spillage. P391

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Supplemental label

information

None.

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
arsenic selenide	100	1303-36-2 215-119-5	-	-	
Classification:	Aquatic Acute 1;H400, Aq	juatic Chronic 1;H	410		

List of abbreviations and symbols that may be used above

CLP: Regulation No. 1272/2008. DSD: Directive 67/548/EEC.

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 R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to

Direct contact with eyes may cause temporary irritation.

protect themselves.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both

acute and delayed

4.3. Indication of any immediate medical attention

and special treatment

needed

Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing

media

media

None known.

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

Wear suitable protective equipment.

Special firefighting

procedures

Use water spray to cool unopened containers.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

Material name: Arsenic selenide (As2Se3)

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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. 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. Prevent further leakage or spillage if safe to do so. Inform

appropriate managerial or supervisory personnel of all environmental releases.

6.3. Methods and material for containment and cleaning up

Stop the flow of material, if this is without risk. Prevent product from entering drains. Following

product recovery, flush area with water.

6.4. Reference to other

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Provide adequate ventilation. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of

V-I...

Value

the SDS).

7.3. Specific end use(s) Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Material	ince (GwV), BGBI. II, no. 184/2001 Type	Value	Form
arsenic selenide (CAS 1303-36-2)	MAK	0,1 mg/m3	Inhalable fraction.
•	STEL	0,3 mg/m3	Inhalable fraction.
Austria. TRK List, OEL Ordina	nce (GwV), BGBI. II, no. 184/2001	, -	
Material	Туре	Value	Form
arsenic selenide (CAS 1303-36-2)	STEL	0,4 mg/m3	Inhalable fraction.
•	TWA	0,1 mg/m3	Inhalable fraction.
Finland. Workplace Exposure	Limits		
Material	Туре	Value	
arsenic selenide (CAS 1303-36-2)	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)

матегіаі	туре	value	FOITH
arsenic selenide (CAS 1303-36-2)	TWA	0,02 mg/m3	Inhalable fraction.

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace
MaterialValueFormarsenic selenide (CASAGW0,05 mg/m3Inhalable fraction.1303-36-2)

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Material	Type	Value
arsenic selenide (CAS 1303-36-2)	Ceiling	0,01 mg/m3
,	STEL	0,4 mg/m3
	TWA	0.1 ma/m3

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment Material Type Value

arsenic selenide (CAS	STEL	0,04 mg/m3
1303-36-2)		

Material name: Arsenic selenide (As2Se3)

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	ıyı	pe	V	alue	ment
	TW	/A	0,	01 mg/m3	
Poland. MACs. Regulation		um permissible con	centrations a	and intensitie	s of harmful factors in t
work environment, Anno Material	ex ı Ty _l	pe	V	alue	
arsenic selenide (CAS	STI		0,	3 mg/m3	
1303-36-2)			-,	- J, -	
Slovakia. OELs for carcin Material	nogens and mutage Ty	-		arcinogenic a alue	nnd mutagenic substan Form
arsenic selenide (CAS	TW			1 mg/m3	Inhalable fraction.
1303-36-2)	1 VV	A	0,	I mg/ms	Tillalable Hactori.
Slovakia. OELs. Regulati Material	ion No. 300/2007 co Ty			work with clause	hemical agents
arsenic selenide (CAS	TW	/A	0,	1 mg/m3	
1303-36-2) Slovenia. OELs. Regulati	ions concerning pro	tection of workers	against risks	due to expos	ure to chemicals while
working (Official Gazett	e of the Republic of	Slovenia)		-	
Material	Ту			alue	Form
arsenic selenide (CAS 1303-36-2)	TW	/ A	0,	1 mg/m3	Inhalable fraction.
Switzerland. SUVA Gren Material	zwerte am Arbeitsp Ty		V	alue	Form
arsenic selenide (CAS	STI			16 mg/m3	Inhalable dust.
1303-36-2)	311	-L	υ,	10 1119/1113	Illialable dust.
	TW	'A	0,	02 mg/m3	Inhalable dust.
ogical limit values					
Croatia. BLV. Dangerous	-				
Material	Value	Determinant	Specimen	Sampling t	ime
			•		
arsenic selenide (CAS 1303-36-2)	70 μg/l	Arsenic	Urine	*	
arsenic selenide (CAS 1303-36-2)	70 μg/l 0,93 umol/l	Arsenic Arsenic	-		
1303-36-2)	0,93 umol/l	Arsenic	Urine	*	
`	0,93 umol/l ease see the source do	Arsenic ocument.	Urine Urine	*	try of Health
* - For sampling details, ple finland. HTP-arvot, App Material arsenic selenide (CAS	0,93 umol/l ease see the source do 2., Biological Limit	Arsenic ocument. : Values, (BRA/BGV	Urine Urine), Social Affa	* * irs and Minis	try of Health
* - For sampling details, ple finland. HTP-arvot, App Material arsenic selenide (CAS 1303-36-2)	0,93 umol/l ease see the source do 2., Biological Limit Value 70 nmol/l	Arsenic ocument. Values, (BRA/BGV Determinant Inorganic arsenic	Urine Urine), Social Affa Specimen	* irs and Minis Sampling t	try of Health
* - For sampling details, ple Finland. HTP-arvot, App Material arsenic selenide (CAS 1303-36-2) * - For sampling details, ple	0,93 umol/l ease see the source do 2., Biological Limit Value 70 nmol/l ease see the source do	Arsenic ocument. Values, (BRA/BGV Determinant Inorganic arsenic ocument.	Urine Urine , Social Affa Specimen Urine	* irs and Minis Sampling t	try of Health ime
* - For sampling details, ple finland. HTP-arvot, App Material arsenic selenide (CAS 1303-36-2)	0,93 umol/l ease see the source do 2., Biological Limit Value 70 nmol/l ease see the source do	Arsenic ocument. Values, (BRA/BGV Determinant Inorganic arsenic ocument.	Urine Urine , Social Affa Specimen Urine	* irs and Minis Sampling t	try of Health time ority (INRS, ND 2065)
* - For sampling details, ple Finland. HTP-arvot, App Material arsenic selenide (CAS 1303-36-2) * - For sampling details, ple France. Biological indicat Material arsenic selenide (CAS	0,93 umol/l ease see the source do 2., Biological Limit Value 70 nmol/l ease see the source do ators of exposure (II	Arsenic ocument. Values, (BRA/BGV Determinant Inorganic arsenic ocument. BE) (National Instit Determinant Métabolites de	Urine Urine), Social Affa Specimen Urine ute for Resea Specimen Creatinine in	* * irs and Minis Sampling t * arch and Secu	try of Health time ority (INRS, ND 2065)
* - For sampling details, ple Finland. HTP-arvot, App Material arsenic selenide (CAS 1303-36-2) * - For sampling details, ple France. Biological indicat Material arsenic selenide (CAS	0,93 umol/l ease see the source do 2., Biological Limit Value 70 nmol/l ease see the source do ators of exposure (Ill Value	Arsenic ocument. Values, (BRA/BGV Determinant Inorganic arsenic ocument. BE) (National Instit Determinant	Urine Urine) , Social Affa Specimen Urine ute for Resea	* * irs and Minis Sampling t * arch and Secu	try of Health time ority (INRS, ND 2065)
* - For sampling details, ple Finland. HTP-arvot, App Material arsenic selenide (CAS 1303-36-2) * - For sampling details, ple France. Biological indica	0,93 umol/l ease see the source do 2., Biological Limit Value 70 nmol/l ease see the source do ators of exposure (III Value 0,05 mg/g	Arsenic ocument. E Values, (BRA/BGV Determinant Inorganic arsenic ocument. BE) (National Instit Determinant Métabolites de l'arsenic inorganique	Urine Urine), Social Affa Specimen Urine ute for Resea Specimen Creatinine in	* * irs and Minis Sampling t * arch and Secu	try of Health time ority (INRS, ND 2065)
* - For sampling details, ple Finland. HTP-arvot, App Material arsenic selenide (CAS 1303-36-2) * - For sampling details, ple France. Biological indica Material arsenic selenide (CAS 1303-36-2)	0,93 umol/l ease see the source do 2., Biological Limit Value 70 nmol/l ease see the source do ators of exposure (II Value 0,05 mg/g	Arsenic ocument. Values, (BRA/BGV Determinant Inorganic arsenic ocument. BE) (National Instit Determinant Métabolites de l'arsenic inorganique ocument.	Urine Urine) , Social Affa Specimen Urine ute for Resea Specimen Creatinine in urine	* irs and Minis Sampling t * arch and Secu Sampling t *	try of Health time drity (INRS, ND 2065) time
* - For sampling details, ple Finland. HTP-arvot, App Material arsenic selenide (CAS 1303-36-2) * - For sampling details, ple France. Biological indica Material arsenic selenide (CAS 1303-36-2) * - For sampling details, ple Spain. Biological Limit V Material	0,93 umol/l ease see the source do 2., Biological Limit Value 70 nmol/l ease see the source do ators of exposure (Il Value 0,05 mg/g ease see the source do ators of exposure (Il Value 0,05 mg/g	Arsenic ocument. Values, (BRA/BGV Determinant Inorganic arsenic ocument. BE) (National Instit Determinant Métabolites de l'arsenic inorganique ocument. Dational Exposure L Determinant	Urine Urine Orine Orine Urine Urine Urine Urine Creatinine in urine Limits for Che Specimen	* * irs and Minis Sampling t * arch and Secu	try of Health time Irity (INRS, ND 2065) time
* - For sampling details, ple Finland. HTP-arvot, App Material arsenic selenide (CAS 1303-36-2) * - For sampling details, ple France. Biological indicate Material arsenic selenide (CAS 1303-36-2) * - For sampling details, ple Spain. Biological Limit V Material arsenic selenide (CAS	0,93 umol/l ease see the source do 2., Biological Limit Value 70 nmol/l ease see the source do ators of exposure (II Value 0,05 mg/g ease see the source do ators of exposure (III Value)	Arsenic ocument. Values, (BRA/BGV Determinant Inorganic arsenic ocument. BE) (National Instit Determinant Métabolites de l'arsenic inorganique ocument. Determinant	Urine Urine) , Social Affa Specimen Urine ute for Resea Specimen Creatinine in urine imits for Che	* irs and Minis Sampling t * nrch and Secu Sampling t * mical Agents, Sampling t	try of Health time Irity (INRS, ND 2065) time
* - For sampling details, ple Finland. HTP-arvot, App Material arsenic selenide (CAS 1303-36-2) * - For sampling details, ple France. Biological indicate Material arsenic selenide (CAS 1303-36-2) * - For sampling details, ple Spain. Biological Limit V	0,93 umol/l ease see the source do 2., Biological Limit Value 70 nmol/l ease see the source do ators of exposure (II Value 0,05 mg/g ease see the source do (alues (VLBs), Occup Value 35 μg/l	Arsenic ocument. E Values, (BRA/BGV Determinant Inorganic arsenic ocument. BE) (National Instit Determinant Métabolites de l'arsenic inorganique ocument. Dational Exposure L Determinant Arsénico inorgánico más metabolitos metilados como As	Urine Urine Orine Orine Urine Urine Urine Urine Creatinine in urine Limits for Che Specimen	* irs and Minis Sampling t * nrch and Secu Sampling t * mical Agents, Sampling t	try of Health time drity (INRS, ND 2065) time
* - For sampling details, ple Finland. HTP-arvot, App Material arsenic selenide (CAS 1303-36-2) * - For sampling details, ple France. Biological indical Material arsenic selenide (CAS 1303-36-2) * - For sampling details, ple Spain. Biological Limit V Material arsenic selenide (CAS 1303-36-2)	0,93 umol/l ease see the source do 2., Biological Limit Value 70 nmol/l ease see the source do ators of exposure (Il Value 0,05 mg/g ease see the source do alues (VLBs), Occup Value 35 µg/l	Arsenic ocument. E Values, (BRA/BGV Determinant Inorganic arsenic ocument. BE) (National Instit Determinant Métabolites de l'arsenic inorganique ocument. Dational Exposure L Determinant Arsénico inorgánico más metabolitos metilados como As	Urine Urine Orine Orine Urine Urine Urine Creatinine in urine Urine Urine Urine	* irs and Minis Sampling t * nrch and Secu Sampling t * mical Agents, Sampling t	try of Health time drity (INRS, ND 2065) time

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 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 Wear safety glasses with side shields (or goggles).

Skin protection

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

supplier.

- Other Personal protection equipment should be chosen according to the CEN standards and in discussion

with the supplier of the personal protective equipment.

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

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures 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

Solid. **Physical state Form** Solid.

Colour Not available. Odour Not available. **Odour threshold** Not available. Not available. pН Not available. Melting point/freezing point Initial boiling point and Not available.

boiling range

Not available.

Flash point Not available. **Evaporation rate** Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits Flammability limit - lower

(%)

Not available.

Flammability limit -

Not available.

upper (%)

< 0,0000001 kPa at 25 °C Vapour pressure

Vapour density Not available. **Relative density** Not available.

Solubility(ies)

Solubility (water) Not available. Not available. **Partition coefficient**

(n-octanol/water)

Auto-ignition temperature Not available. Not available. **Decomposition temperature** Not available. **Viscosity Explosive properties** Not explosive. Oxidising properties Not oxidising.

9.2. Other information

As2Se3 Molecular formula

SECTION 10: Stability and reactivity

10.1. Reactivity Not available.

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous No dangerous reaction known under conditions of normal use.

reactions

10.4. Conditions to avoid Contact with incompatible materials.

10.5. Incompatible materials None known.

10.6. Hazardous No hazardous decomposition products are known.

decomposition products

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact Due to lack of data the classification is not possible. **Eve contact** Due to lack of data the classification is not possible. Ingestion Due to lack of data the classification is not possible.

Symptoms Exposure may cause temporary irritation, redness, or discomfort.

11.1. Information on toxicological effects

Acute toxicity No data available.

Due to partial or complete lack of data the classification is not possible. Skin corrosion/irritation Serious eye damage/eye Due to partial or complete lack of data the classification is not possible.

irritation

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)

arsenic selenide (CAS 1303-36-2)

Reproductive toxicity Due to partial or complete lack of data the classification is not possible. Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity - single exposure

Specific target organ toxicity

Due to partial or complete lack of data the classification is not possible.

- 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 This product has no known adverse effect on human health.

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 No data available.

potential

Not available.

Partition coefficient

n-octanol/water (log Kow)

Bioconcentration factor (BCF) Not available. 12.4. Mobility in soil No data available. 12.5. Results of PBT Not available.

and vPvB assessment

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.

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Material name: Arsenic selenide (As2Se3) SDS EU

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual wasteDispose 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 Empty containers should be taken to an approved waste handling site for recycling or disposal.

EU waste code Not available.

Disposal Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

methods/information

Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number UN1557

14.2. UN proper shipping Arsenic compounds, solid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic

ame sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.

14.3. Transport hazard class(es)

Class 6.1(PGI, II)

Subsidiary risk - Label(s) 6.1

Hazard No. (ADR)
Not available.
Not available.

code

14.4. Packing group II **14.5. Environmental** No.

hazards

14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling.

for user

RID

14.1. UN number UN1557

14.2. UN proper shipping Arsenic compounds, solid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic

ame sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.

14.3. Transport hazard class(es)

Class 6.1(PGI, II)

Subsidiary risk Label(s) 6.1

14.4. Packing group II

14.5. Environmental No.

hazards

14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling.

for user

ADN

14.1. UN number UN1557

14.2. UN proper shipping Arsenic compounds, solid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic

name sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.

14.3. Transport hazard class(es)

Class 6.1(PGI, II)

Subsidiary risk Label(s) 6.1

14.4. Packing group II

14.5. Environmental No.

hazards

14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling.

for user

IATA

14.1. UN number UN1557

14.2. UN proper shipping Arsenic compounds, solid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic

ame sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.

14.3. Transport hazard class(es)

Class 6.1(PGI, II)

Subsidiary risk -Label(s) 6.1 14.4. Packing group II **14.5. Environmental** No.

hazards

14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling.

for user

IMDG

14.1. UN number UN1557

14.2. UN proper shipping Arsenic compounds, solid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic

name sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.

14.3. Transport hazard class(es)

Class 6.1(PGI, II)

Subsidiary risk Label(s) 6.1

14.4. Packing group II

14.5. Environmental hazards

Marine pollutant No.

EmS Not available.

14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling.

for user

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

arsenic selenide (CAS 1303-36-2)

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 arsenic selenide (CAS 1303-36-2)

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

Not listed.

Other regulationsThe 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.

National regulations Follow national regulation for work with chemical agents.

15.2. Chemical safety

assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations
Information on evaluation
method leading to the
classification of mixture

Not available. 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. This document has been prepared using data from sources considered to be technically reliable and the information is believed to be correct. Materion makes no warranties, expressed or implied, as to the accuracy of the information contained herein. Materion cannot anticipate all conditions under which this information and its products may be used and the actual conditions of use are beyond its control. The user is responsible to evaluate all available information when using this product for any particular use and to comply with all Federal, State, Provincial and Local laws, statutes and regulations.

Material name: Arsenic selenide (As2Se3)

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