

SAFETY DATA SHEET

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

1.1. Product identifier	
Name of the substance	Calcium Stannate (CaSnO3)
Identification number	234-585-0 (EC number)
Registration number	-
Document number	1GQ
Synonyms	None.
Materion Code	1GQ
Issue date	06-May-2015
Revision date	03-January-2020
1.3. Details of the supplier of	the safety data sheet
Supplier	
Company name	Materion Advanced Chemicals Inc.
Address	407 N. 13th Street
	1316 W. St. Paul Avenue
	Milwaukee, WI 53233 United States
Division	Milwaukee
Telephone	414.212.0257
e-mail	advancedmaterials@materion.com
Contact person	Laura Hamilton
1.4. Emergency telephone number	
Supersedes date	10-January-2018
Version number	03
1.2. Relevant identified uses o	of the substance or mixture and uses advised against
1.2. Relevant identified uses of Identified uses	f the substance or mixture and uses advised against Not available.
	_
Identified uses	Not available. None known.
Identified uses Uses advised against	Not available. None known. ntification
Identified uses Uses advised against SECTION 2: Hazards ide 2.1. Classification of the subst	Not available. None known. ntification
Identified uses Uses advised against SECTION 2: Hazards ide 2.1. Classification of the subst	Not available. None known. ntification cance or mixture
Identified uses Uses advised against SECTION 2: Hazards ide 2.1. Classification of the subst Classification according to Re	Not available. None known. ntification cance or mixture gulation (EC) No 1272/2008 as amended
Identified uses Uses advised against SECTION 2: Hazards ide 2.1. Classification of the subst Classification according to Re Hazard summary 2.2. Label elements	Not available. None known. ntification cance or mixture gulation (EC) No 1272/2008 as amended
Identified uses Uses advised against SECTION 2: Hazards ide 2.1. Classification of the subst Classification according to Re Hazard summary 2.2. Label elements	Not available. None known. Intification France or mixture gulation (EC) No 1272/2008 as amended Not available.
Identified uses Uses advised against SECTION 2: Hazards ide 2.1. Classification of the subst Classification according to Red Hazard summary 2.2. Label elements Label according to Regulation	Not available. None known. Intification cance or mixture gulation (EC) No 1272/2008 as amended Not available. (EC) No. 1272/2008 as amended
Identified uses Uses advised against SECTION 2: Hazards ide 2.1. Classification of the subst Classification according to Rey Hazard summary 2.2. Label elements Label according to Regulation Contains:	Not available. None known. mtification cance or mixture gulation (EC) No 1272/2008 as amended Not available. (EC) No. 1272/2008 as amended Calcium Stannate
Identified uses Uses advised against SECTION 2: Hazards ide 2.1. Classification of the subst Classification according to Red Hazard summary 2.2. Label elements Label according to Regulation Contains: Hazard pictograms	Not available. None known. Intification sance or mixture gulation (EC) No 1272/2008 as amended Not available. (EC) No. 1272/2008 as amended Calcium Stannate None.
Identified uses Uses advised against SECTION 2: Hazards ide 2.1. Classification of the subst Classification according to Res Hazard summary 2.2. Label elements Label according to Regulation Contains: Hazard pictograms Signal word	Not available. None known. Intification sance or mixture gulation (EC) No 1272/2008 as amended Not available. (EC) No. 1272/2008 as amended Calcium Stannate None. Warning
Identified uses Uses advised against SECTION 2: Hazards ide 2.1. Classification of the subst Classification according to Res Hazard summary 2.2. Label elements Label according to Regulation Contains: Hazard pictograms Signal word Hazard statements	Not available. None known. Intification sance or mixture gulation (EC) No 1272/2008 as amended Not available. (EC) No. 1272/2008 as amended Calcium Stannate None. Warning
Identified uses Uses advised against SECTION 2: Hazards ide 2.1. Classification of the subst Classification according to Res Hazard summary 2.2. Label elements Label according to Regulation Contains: Hazard pictograms Signal word Hazard statements Precautionary statements	Not available. None known. mtification cance or mixture gulation (EC) No 1272/2008 as amended Not available. (EC) No. 1272/2008 as amended Calcium Stannate None. Warning The substance does not meet the criteria for classification.
Identified uses Uses advised against SECTION 2: Hazards ide 2.1. Classification of the subst Classification according to Rey Hazard summary 2.2. Label elements Label according to Regulation Contains: Hazard pictograms Signal word Hazard statements Precautionary statements Prevention	Not available. None known. mtification cance or mixture gulation (EC) No 1272/2008 as amended Not available. (EC) No. 1272/2008 as amended Calcium Stannate None. Warning The substance does not meet the criteria for classification. Not available.
Identified uses Uses advised against SECTION 2: Hazards ide 2.1. Classification of the subst Classification according to Res Hazard summary 2.2. Label elements Label according to Regulation Contains: Hazard pictograms Signal word Hazard statements Precautionary statements Prevention Response	Not available. None known. mtification cance or mixture gulation (EC) No 1272/2008 as amended Not available. (EC) No. 1272/2008 as amended Calcium Stannate None. Warning The substance does not meet the criteria for classification. Not available. Not available.
Identified uses Uses advised against SECTION 2: Hazards ide 2.1. Classification of the subst Classification according to Res Hazard summary 2.2. Label elements Label according to Regulation Contains: Hazard pictograms Signal word Hazard statements Precautionary statements Prevention Response Storage Disposal Supplemental label	Not available. None known. mtification cance or mixture gulation (EC) No 1272/2008 as amended Not available. (EC) No. 1272/2008 as amended Calcium Stannate None. Warning The substance does not meet the criteria for classification. Not available. Not available. Store away from incompatible materials.
Identified uses Uses advised against SECTION 2: Hazards ide 2.1. Classification of the subst Classification according to Res Hazard summary 2.2. Label elements Label according to Regulation Contains: Hazard pictograms Signal word Hazard statements Precautionary statements Prevention Response Storage Disposal	Not available. None known. mtification rance or mixture gulation (EC) No 1272/2008 as amended Not available. (EC) No. 1272/2008 as amended Calcium Stannate None. Warning The substance does not meet the criteria for classification. Not available. Not available. Store away from incompatible materials. Not available.

SECTION 3: Composition/information on ingredients

3.1. Substances

eneral information					
Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Calcium Stannate	100	12013-46-6 234-585-0	-	-	#
Classification: -					
st of abbreviations and symbo DSD: Directive 67/548/EEC. CLP: Regulation No. 1272/2008.	-				
#: This substance has been ass#: This substance has been assM: M-factor	5				
PBT: persistent, bioaccumulative vPvB: very persistent and very b All concentrations are in percent	ioaccumulative s	ubstance.	Gas concentrations are in per	rcent by volume.	

SECTION 4: First aid measures

General information	Not available.
4.1. Description of first aid mea	asures
Inhalation	Call a physician if symptoms develop or persist.
Skin contact	Get medical attention if irritation develops and persists.
Eye contact	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	Not available.
4.3. Indication of any immediate medical attention and special treatment needed	Not available.
SECTION 5: Firefighting r	neasures

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	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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
For emergency responders	Keep unnecessary personnel away.
6.2. Environmental precautions	No special environmental precautions required.
6.3. Methods and material for containment and cleaning up	Stop the flow of material, if this is without risk. Following product recovery, flush area with water.
6.4. Reference to other sections	For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Avoid prolonged exposure. Use care in handling/storage.
7.2. Conditions for safe storage, including any incompatibilities	Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).
7.3. Specific end use(s)	Not available.
SECTION 8: Exposure co	ntrols/personal protection
8.1. Control parameters	

Occupational exposure limits

Material	wV), BGBl. II, no. 184/2001 Type	Value	Form
Calcium Stannate (CAS 12013-46-6)	МАК	2 mg/m3	Inhalable fraction.
	STEL	4 mg/m3	Inhalable fraction.
Belgium. Exposure Limit Values. Material	Туре	Value	
Calcium Stannate (CAS 12013-46-6)	TWA	2 mg/m3	
Bulgaria. OELs. Regulation No 13 on Material	protection of workers against risks Type	of exposure to Value	chemical agents at wor
Calcium Stannate (CAS 12013-46-6)	TWA	2 mg/m3	
Czech Republic. OELs. Government I Material	Decree 361 Type	Value	
Calcium Stannate (CAS 12013-46-6)	Ceiling	4 mg/m3	
	TWA	2 mg/m3	
Denmark. Exposure Limit Values Material	Туре	Value	
Calcium Stannate (CAS	TLV	2 mg/m3	
12013-46-6) Estonia. OELs. Occupational Exposu	re Limits of Hazardous Substances.	(Annex of Regu	lation No. 293 of 18
12013-46-6) Estonia. OELs. Occupational Exposu September 2001)	re Limits of Hazardous Substances. Type	(Annex of Regu Value	llation No. 293 of 18
12013-46-6) Estonia. OELs. Occupational Exposu September 2001) Material Calcium Stannate (CAS			llation No. 293 of 18
12013-46-6) Estonia. OELs. Occupational Exposur September 2001) Material Calcium Stannate (CAS 12013-46-6) Finland. Workplace Exposure Limits Material	Type TWA	Value	llation No. 293 of 18
12013-46-6) Estonia. OELs. Occupational Exposur September 2001) Material Calcium Stannate (CAS 12013-46-6) Finland. Workplace Exposure Limits Material Calcium Stannate (CAS	Type TWA	Value 2 mg/m3	llation No. 293 of 18
12013-46-6) Estonia. OELs. Occupational Exposur September 2001) Material Calcium Stannate (CAS 12013-46-6) Finland. Workplace Exposure Limits Material Calcium Stannate (CAS 12013-46-6) Germany. TRGS 900, Limit Values in	Type TWA Type TWA	Value 2 mg/m3 Value	Ilation No. 293 of 18
12013-46-6) Estonia. OELs. Occupational Exposur September 2001) Material Calcium Stannate (CAS 12013-46-6) Finland. Workplace Exposure Limits Material Calcium Stannate (CAS 12013-46-6) Germany. TRGS 900, Limit Values in Material Calcium Stannate (CAS	Type Type TWA Twa <th< td=""><td>Value 2 mg/m3 Value 2 mg/m3</td><td></td></th<>	Value 2 mg/m3 Value 2 mg/m3	
12013-46-6) Estonia. OELs. Occupational Exposur September 2001) Material Calcium Stannate (CAS 12013-46-6) Finland. Workplace Exposure Limits Material Calcium Stannate (CAS 12013-46-6) Germany. TRGS 900, Limit Values in Material Calcium Stannate (CAS 12013-46-6) Greece. OELs (Decree No. 90/1999,	Type Type TWA TWA Ambient Air at the Workplace Type AGW	Value 2 mg/m3 Value 2 mg/m3 Value	Form
12013-46-6) Estonia. OELs. Occupational Exposur September 2001) Material Calcium Stannate (CAS 12013-46-6) Finland. Workplace Exposure Limits Material Calcium Stannate (CAS 12013-46-6) Germany. TRGS 900, Limit Values in Material Calcium Stannate (CAS 12013-46-6) Greece. OELs (Decree No. 90/1999, Material Calcium Stannate (CAS	Type Type TWA TWA Ambient Air at the Workplace Type AGW as amended)	Value 2 mg/m3 Value 2 mg/m3 Value 2 mg/m3	Form
12013-46-6) Estonia. OELs. Occupational Exposur September 2001) Material Calcium Stannate (CAS 12013-46-6) Finland. Workplace Exposure Limits Material Calcium Stannate (CAS 12013-46-6) Germany. TRGS 900, Limit Values in Material Calcium Stannate (CAS 12013-46-6) Greece. OELs (Decree No. 90/1999, Material Calcium Stannate (CAS 12013-46-6) Greece. OELs (Decree No. 90/1999, Material Calcium Stannate (CAS 12013-46-6) Hungary. OELs. Joint Decree on Che	Type Type TWA TWA TWA Ambient Air at the Workplace Type AGW as amended) Type TWA TWA	Value 2 mg/m3	Form
12013-46-6) Estonia. OELs. Occupational Exposur September 2001) Material Calcium Stannate (CAS 12013-46-6) Finland. Workplace Exposure Limits Material Calcium Stannate (CAS 12013-46-6) Germany. TRGS 900, Limit Values in Material Calcium Stannate (CAS 12013-46-6) Greece. OELs (Decree No. 90/1999, Material Calcium Stannate (CAS 12013-46-6) Hungary. OELs. Joint Decree on Che Material	Type Type TWA Twa Twa Addw Addw Type Twa Type Twa Type Twa Type Twa Type Twa Type Twa Type	Value 2 mg/m3 Value 2 mg/m3 Value 2 mg/m3 Value 2 mg/m3 Value	Form
12013-46-6) Estonia. OELs. Occupational Exposur September 2001) Material Calcium Stannate (CAS 12013-46-6) Finland. Workplace Exposure Limits Material Calcium Stannate (CAS 12013-46-6) Germany. TRGS 900, Limit Values in Material Calcium Stannate (CAS 12013-46-6) Greece. OELs (Decree No. 90/1999, Material Calcium Stannate (CAS 12013-46-6)	Type Type TWA TWA TWA Ambient Air at the Workplace Type AGW as amended) Type TWA TWA	Value 2 mg/m3	Form

TWA

2 mg/m3

Iceland. OELs. Regulation 154/1999 o Material	n occupational exposure limits Type	Value	
Calcium Stannate (CAS 12013-46-6)	TWA	2 mg/m3	
Ireland. Occupational Exposure Limits Material	Туре	Value	
Calcium Stannate (CAS 12013-46-6)	TWA	2 mg/m3	
Latvia. OELs. Occupational exposure li Material	mit values of chemical substance Type	es in work enviror Value	nment
Calcium Stannate (CAS 12013-46-6)	TWA	2 mg/m3	
Lithuania. OELs. Limit Values for Cher Material	nical Substances, General Requii Type	rements Value	
Calcium Stannate (CAS 12013-46-6)	TWA	2 mg/m3	
Luxembourg. Binding Occupational ex Material	posure limit values (Annex I), Ma Type	emorial A Value	
Calcium Stannate (CAS 12013-46-6)	TWA	2 mg/m3	
Malta. OELs. Occupational Exposure Li 424), Schedules I and V)	imit Values (L.N. 227. of Occupat	ional Health and	Safety Authority Act (CAP.
Material	Туре	Value	
Calcium Stannate (CAS 12013-46-6)	TWA	2 mg/m3	
Norway. Administrative Norms for Co Material	ntaminants in the Workplace Type	Value	
Calcium Stannate (CAS 12013-46-6)	TLV	2 mg/m3	
Ordinance of the Minister of Labour an			
and intensities of harmful health factor			l, item 817 Form
Material	Туре	Value	-
Calcium Stannate (CAS 12013-46-6)	TWA	2 mg/m3	Inhalable fraction.
Portugal. OELs. Decree-Law n. 290/20 Material	001 (Journal of the Republic - 1 S Type	eries A, n.266) Value	
Calcium Stannate (CAS 12013-46-6)	TWA	2 mg/m3	
Portugal. VLEs. Norm on occupational		-	
Material	Туре	Value	
Calcium Stannate (CAS 12013-46-6)	TWA	2 mg/m3	
Romania. OELs. Protection of workers Material	from exposure to chemical agen Type	ts at the workpla Value	ce
Calcium Stannate (CAS 12013-46-6)	TWA	2 mg/m3	
Slovakia. OELs. Regulation No. 300/20 Material	007 concerning protection of hea Type	lth in work with o Value	chemical agents
Calcium Stannate (CAS 12013-46-6)	STEL	4 mg/m3	
,	TWA	2 mg/m3	

Material	Туре	Value	
Calcium Stannate (CAS 12013-46-6)	TWA	2 mg/m3	
Spain. Occupational Expo Material	sure Limits Type	Value	
Calcium Stannate (CAS 12013-46-6)	TWA	2 mg/m3	
Sweden. OELs. Work Envi Material	ironment Authority (AV), Occupation Type	al Exposure Limit Values Value	(AFS 2015:7) Form
Calcium Stannate (CAS 12013-46-6)	TWA	2 mg/m3	Inhalable dust.
Switzerland. SUVA Grenz	werte am Arbeitsplatz		
Material	Туре	Value	Form
Calcium Stannate (CAS 12013-46-6)	STEL	4 mg/m3	Inhalable dust.
	TWA	2 mg/m3	Inhalable dust.
UK. EH40 Workplace Exp	L P		
Material	Туре	Value	
Calcium Stannate (CAS 12013-46-6)	STEL	4 mg/m3	
	TWA	2 mg/m3	
EU. Indicative Exposure L Material	imit Values in Directives 91/322/El. Type	C, 2000/39/EC, 2006/15 Value	/EC, 2009/161/EU
Calcium Stannate (CAS 12013-46-6)	TWA	2 mg/m3	
logical limit values	No biological exposure limits noted fo	r the ingredient(s).	
commended monitoring ocedures	Follow standard monitoring procedure	S.	
rived no effect levels NELs)	Not available.		
dicted no effect acentrations (PNECs)	Not available.		
. Exposure controls			
propriate engineering Itrols	Good general ventilation should be us applicable, use process enclosures, lo maintain airborne levels below recom established, maintain airborne levels	cal exhaust ventilation, or oth mended exposure limits. If ex	ner engineering controls to
lividual protection measur	es, such as personal protective equi	pment	
General information	Personal protection equipment should with the supplier of the personal prote		CEN standards and in discussion
Eye/face protection	Wear safety glasses with side shields	(or goggles).	
Skin protection			
- Hand protection	Wear appropriate chemical resistant of	loves.	
- Other	Personal protection equipment should with the supplier of the personal prot		CEN standards and in discussio
Respiratory protection	In case of insufficient ventilation, wea		ent.
Thermal hazards	Wear appropriate thermal protective	clothing, when necessary.	
giene measures	Always observe good personal hygien before eating, drinking, and/or smoki remove contaminants.		
vironmental exposure atrols	Good general ventilation should be us applicable, use process enclosures, lo maintain airborne levels below recom	cal exhaust ventilation, or oth	er engineering controls to

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.
рН	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 ex	cplosive 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.
Be a second state of the second second second	
Decomposition temperature	Not available.
Viscosity	Not available. Not available.
Viscosity	Not available.
Viscosity Explosive properties	Not available. Not explosive.

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 reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Contact with incompatible materials.
10.5. Incompatible materials	Not available.
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	Prolonged inhalation may be harmful.
Skin contact	Not available.
Eye contact	Not available.
Ingestion	Not available.
Symptoms	Not available.
11.1. Information on toxicological effects	
Acute toxicity	Not known.

Skin corrosion/irritation	Irritating to skin.		
Serious eye damage/eye irritation	Irritant of eyes and mucous membranes.		
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			
Hungary. 26/2000 EüM Or at work (as amended) Not listed.	dinance on protection against and preventing risk relating to exposure to carcinogens		
	Due to partial or complete lack of data the description is not pessible		
Reproductive toxicity	Due to partial or complete lack of data the classification is not possible. Not available.		
Specific target organ toxicity - single exposure			
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of data the classification is not possible.		
Aspiration hazard	Not available.		
Mixture versus substance information	No information available.		
Other information	Not available.		
SECTION 12: Ecological information			
12.1. Toxicity	Due to partial or complete lack of data the classification for hazardous to the aquatic environment, is not possible.		
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 a PBT or vPvB substance or mixture.		
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.		
12.7. Additional information			
Estonia Dangerous substa	nces in groundwater Data		
Calcium Stannate (CAS 12	2013-46-6) Tin (Sn) 150 ug/l Tin (Sn) 3 ug/l		
Estonia Dangerous substa	nces in soil Data		
Calcium Stannate (CAS 12	2013-46-6) Tin (Sn) 10 mg/kg Tin (Sn) 300 mg/kg Tin (Sn) 50 mg/kg		
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).		

	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 methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. - 14.6.: Not regulated as dangerous goods.

RID

14.1. - 14.6.: Not regulated as dangerous goods. **ADN**

ADN

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

14.1. - 14.6.: Not regulated as dangerous goods.

IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

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 Not listed. Other regulations The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. 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 in accordance with Directive 98/24/EC, as amended.

15.2. Chemical safety No Chemical Safety Assessment has been carried out.

assessment

SECTION 16: Other information

List of abbreviations	Not available.
References	Not available.
Training information	Follow training instructions when handling this material.

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.