

SAFETY DATA SHEET

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

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1.1. Product identifier	
Name of the substance	Barium Molybdate (BaMoO4) powder
Identification number	056-002-00-7 (Index number)
Synonyms	Barium molybdate
Document number	1CZ
Materion Code	1CZ
Issue date	10-January-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	
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

Noreen Atkinson

Contact person 1.4. Emergency telephone

number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The product has been assessed and/or tested for its physical, health and environmental hazards following the regulations ABN NBR 14725-4: (Safety data sheet for chemicals (SDS)) (Aug. 26, 2009) The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies. According to GHS criteria.

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

Health hazards			
Acute toxicity, oral		Category 4	H302 - Harmful if swallowed.
Acute toxicity, inhalat	tion	Category 4	
Hazard summary	DANGER		

Hazard summary

CAUTION

TOXIC. Harmful if inhaled. Harmful if absorbed through skin. Harmful by inhalation and if swallowed. Cancer hazard. Causes skin irritation. Causes serious eye irritation. May cause irritation to the respiratory system. Prolonged exposure may cause chronic effects.

2.2. Label elements

Contains:

Hazard pictograms

Barium molybdate



Signal word	Warning
	warning
Hazard statements	
H302	Harmful if swallowed.
H302 + H332	Harmful if swallowed or if inhaled

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Precautionary statements	
Prevention	
P280	Wear eye/face protection.
P261	Avoid breathing dust/fume.
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.
P280	Wear protective gloves.
Response	
P301 + P312	IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P311	Call a poison centre/doctor.
P321	Specific treatment (see this label).
P330	Rinse mouth.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
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	None.
2.3. Other hazards	The Safety Information Sheet Chemicals of hazardous chemical can be obtained through phone, email or on the company website.

SECTION 3: Composition/information on ingredients

3.1. Substances

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Barium molybdate	90 - 100	7787-37-3 232-111-7	-	056-002-00-7	
Classification:	Acute Tox. 4;H302, Skin	Irrit. 2;H315, Eye	Irrit. 2;H319, STOT SE 3;H33	5	1,A

List of abbreviations and symbols that may be used above

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

M: M-factor

General information

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret. #: 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

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Get medical attention if symptoms occur. Show this safety data sheet to the doctor in attendance. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Wash contaminated clothing before reuse.

4.1. Description of first aid measures

InhalationRemove victim to fresh air and keep at rest in a position comfortable for breathing. Move to fresh
air. If symptoms develop move victim to fresh air. 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 physician or poison control centre immediately.

Skin contact	Before washing use a dry brush to remove dust from skin. Remove contaminated clothing. Remove and isolate contaminated clothing and shoes. Wash the skin immediately with soap and water. Immediately flush skin with plenty of water. Call a physician or poison control centre immediately. Get medical attention if irritation develops and persists. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Rinse cautiously with water for several minutes. Flush eyes with water as a precaution. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately. Call a physician or poison control centre immediately.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. If swallowed, seek medical advice immediately and show this container or label. IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth. Rinse mouth thoroughly. Never give anything by mouth to a victim who is unconscious or is having convulsions. 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. If ingestion of a large amount does occur, call a poison control centre immediately.
4.2. Most important symptoms and effects, both acute and delayed	Irritation of eyes and mucous membranes.
4.3. Indication of any immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Treat symptomatically. In case of shortness of breath, give oxygen. Oxygen, if needed. 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.
Unsuitable extinguishing media	None known.
5.2. Special hazards arising from the substance or mixture	Not available.
5.3. Advice for firefighters Special protective equipment for firefighters	Wear suitable protective equipment.
Special firefighting procedures	In the event of fire, cool tanks with water spray.
Specific methods	Cool containers exposed to flames with water until well after the fire is out.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

ortre reisonal precautions, prot	ective equipment and emergency procedures
For non-emergency personnel	Local authorities should be advised if significant spillages cannot be contained. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Fully encapsulating, vapour protective clothing should be worn for spills and leaks with no fire. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.
For emergency responders	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.
6.2. Environmental precautions	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	Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
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. Do not breathe dust. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not taste or swallow. Avoid prolonged exposure. Do not get this material on clothing. Use only outdoors or in a well-ventilated area. Wear personal protective equipment. When using, do not eat, drink or smoke. Wash thoroughly after handling. Handle and open container with care.
7.2. Conditions for safe storage, including any incompatibilities	CAUTION Keep locked up. Store in a closed container away from incompatible materials. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children. Use care in handling/storage.
7.3. Specific end use(s)	Not available.
SECTION & Exposure	controls (norseand protection

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBI. II, no. 184/2001

Material	Туре	Value	Form
Barium molybdate (CAS 7787-37-3)	МАК	10 mg/m3	Inhalable fraction.
,	STEL	20 mg/m3	Inhalable fraction.
Belgium. Exposure Limit Values		Value	
Material	Туре	Value	
Barium molybdate (CAS 7787-37-3)	TWA	10 mg/m3	
Bulgaria. OELs. Regulation No Material	13 on protection of workers ag Type	ainst risks of exposure to Value	chemical agents at work
Barium molybdate (CAS 7787-37-3)	TWA	10 mg/m3	
Croatia. Dangerous Substance 13/09	Exposure Limit Values in the V	Vorkplace (ELVs), Annexes	a 1 and 2, Narodne Novin
Material	Туре	Value	
Barium molybdate (CAS 7787-37-3)	MAC	10 mg/m3	
	STEL	20 mg/m3	
Czech Republic. OELs. Governn			
Material	Туре	Value	
Barium molybdate (CAS 7787-37-3)	Ceiling	25 mg/m3	
	TWA	5 mg/m3	
Denmark. Exposure Limit Value			
Material	Туре	Value	
Barium molybdate (CAS 7787-37-3)	TLV	10 mg/m3	
Estonia. OELs. Occupational Ex September 2001)	posure Limits of Hazardous Su	bstances. (Annex of Regu	lation No. 293 of 18
Material	Туре	Value	Form
Barium molybdate (CAS 7787-37-3)	TWA	5 mg/m3	Respirable dust.
,		10 mg/m3	Total dust.
Greece. OELs (Decree No. 90/1	999, as amended)		
Material	Туре	Value	
Barium molybdate (CAS 7787-37-3)	TWA	15 mg/m3	
Hungary. OELs. Joint Decree or			
Material	Туре	Value	
Barium molybdate (CAS 7787-37-3)	STEL	60 mg/m3	
	TWA	15 mg/m3	

Material	Туре	Value	
Barium molybdate (CAS 7787-37-3)	TWA	10 mg/m3	
Ireland. Occupational Ex Material	cposure Limits Type	Value	Form
Barium molybdate (CAS	TWA	3 mg/m3	Respirable fraction.
7787-37-3)		10 mg/m3	Inhalable fraction.
Italy. Occupational Expo Material	osure Limits Type	Value	Form
Barium molybdate (CAS 7787-37-3)	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
Lithuania. OELs. Limit V Material	alues for Chemical Substances, Gener Type	ral Requirements Value	Form
Barium molybdate (CAS 7787-37-3)	TWA	5 mg/m3	Respirable fraction.
,		10 mg/m3	Inhalable fraction.
	on regarding maximum permissible co	ncentrations and intensiti	es of harmful factors in
work environment, Anne Material	Туре	Value	
Barium molybdate (CAS	STEL	10 mg/m3	
7787-37-3)	TWA	4 mg/m3	
Portugal. VLEs. Norm on Material	occupational exposure to chemical a Type	gents (NP 1796) Value	Form
Barium molybdate (CAS	TWA	3 mg/m3	Respirable fraction.
7787-37-3)		10 mg/m3	Inhalable fraction.
Romania. OELs. Protectio Material	on of workers from exposure to chem Type	ical agents at the workpla Value	ace
Barium molybdate (CAS	STEL	10 mg/m3	
7787-37-3)	TWA	5 mg/m3	
Slovakia. OELs. Regulatio Material	on No. 300/2007 concerning protecti Type	on of health in work with Value	chemical agents Form
		E ma/m2	Respirable fraction.
	TWA	5 mg/m3	Кезриале пассоп.
	TWA	10 mg/m3	Inhalable fraction.
7787-37-3) Sweden. OELs. Work Env	vironment Authority (AV), Occupation Type	10 mg/m3	Inhalable fraction.
Material Barium molybdate (CAS	vironment Authority (AV), Occupation	10 mg/m3 al Exposure Limit Values (Inhalable fraction. (AFS 2015:7)
7787-37-3) Sweden. OELs. Work Env Material	vironment Authority (AV), Occupation Type	10 mg/m3 aal Exposure Limit Values (Value	Inhalable fraction. (AFS 2015:7) Form
7787-37-3) Sweden. OELs. Work Env Material Barium molybdate (CAS 7787-37-3) Switzerland. SUVA Grenz	vironment Authority (AV), Occupation Type TWA	10 mg/m3 aal Exposure Limit Values Value 5 mg/m3	Inhalable fraction. (AFS 2015:7) Form Respirable dust.
7787-37-3) Sweden. OELs. Work Env Material Barium molybdate (CAS	vironment Authority (AV), Occupation Type TWA zwerte am Arbeitsplatz	10 mg/m3 aal Exposure Limit Values Value 5 mg/m3 10 mg/m3	Inhalable fraction. (AFS 2015:7) Form Respirable dust. Total dust.
7787-37-3) Sweden. OELs. Work Env Material Barium molybdate (CAS 7787-37-3) Switzerland. SUVA Grenz Material Barium molybdate (CAS	vironment Authority (AV), Occupation Type TWA zwerte am Arbeitsplatz Type TWA	10 mg/m3 aal Exposure Limit Values Value 5 mg/m3 10 mg/m3 Value	Inhalable fraction. (AFS 2015:7) Form Respirable dust. Total dust. Form
7787-37-3) Sweden. OELs. Work Env Material Barium molybdate (CAS 7787-37-3) Switzerland. SUVA Grenz Material Barium molybdate (CAS 7787-37-3) UK. EH40 Workplace Exp Material Barium molybdate (CAS	vironment Authority (AV), Occupation Type TWA zwerte am Arbeitsplatz Type TWA Dosure Limits (WELs)	10 mg/m3 aal Exposure Limit Values Value 5 mg/m3 10 mg/m3 Value 10 mg/m3	Inhalable fraction. (AFS 2015:7) Form Respirable dust. Total dust. Form
7787-37-3) Sweden. OELs. Work Env Material Barium molybdate (CAS 7787-37-3) Switzerland. SUVA Grenz Material Barium molybdate (CAS 7787-37-3) UK. EH40 Workplace Exp Material	vironment Authority (AV), Occupation Type TWA zwerte am Arbeitsplatz Type TWA Dosure Limits (WELs) Type	10 mg/m3 aal Exposure Limit Values Value 5 mg/m3 10 mg/m3 Value 10 mg/m3 Value	Inhalable fraction. (AFS 2015:7) Form Respirable dust. Total dust. Form

Derived no effect levels (DNELs)	Not available.
Predicted no effect concentrations (PNECs)	Not available.
Exposure guidelines	No exposure standards allocated.
8.2. Exposure controls	
Appropriate engineering controls	Ensure adequate ventilation, especially in confined areas. Provide eyewash station.
Individual protection measure	es, such as personal protective equipment
General information	Eye wash fountain is recommended.
Eye/face protection	Chemical goggles are recommended. Face-shield. Eye wash fountain is recommended.
Skin protection	
- Hand protection	Wear protective gloves. Not normally needed.
- Other	Wear suitable protective clothing. Chemical resistant gloves. Wear chemical protective equipment that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
Respiratory protection	Wear positive pressure self-contained breathing apparatus (SCBA).
Thermal hazards	Not available.
Hygiene measures	When using, do not eat, drink or smoke. Do not breathe dust. Do not get in eyes. Do not get this material in contact with skin. Avoid contact with clothing. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practices.
Environmental exposure controls	Not available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance		
Physical state Solid	l.	
Form Solid	l.	
Colour Not a	available.	
Odour Not a	available.	
Odour threshold Not a	available.	
pH Not a	available.	
Melting point/freezing point Not a	available.	
Initial boiling point and Not a boiling range	available.	
Flash point Not a	available.	
Evaporation rate Not a	available.	
Flammability (solid, gas) Not a	available.	
Upper/lower flammability or explosive limits		
Flammability limit - lower Not a (%)	available.	
Flammability limit - Not a upper (%)	available.	
Vapour pressure Not a	available.	
Vapour density Not a	available.	
Relative density Not a	available.	
Solubility(ies)		
	available.	
Solubility (water) Not a	available. available.	
Solubility (water)Not aPartition coefficientNot a(n-octanol/water)Not a		
Solubility (water)Not aPartition coefficientNot a(n-octanol/water)Auto-ignition temperatureNot a	available.	

Explosive properties	Not available.
Oxidising properties	Not available.
9.2. Other information	
Molecular formula	Ba.MoO4

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. Hazardous polymerisation does not occur.
10.4. Conditions to avoid	None under normal conditions.
10.5. Incompatible materials	None known.
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	Harmful if inhaled.	
Skin contact	Causes skin irritation. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.	
Eye contact	Causes serious eye irritation.	
Ingestion	Harmful if swallowed.	
Symptoms	Irritant effects.	
11.1. Information on toxicological effects		

Acute toxicity	Harmful if inhaled. Harmful if swallowed. May cause respiratory irritation.	
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory sensitisation	Due to lack of data the classification is not possible.	
Skin sensitisation	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Due to lack of data the classification is not possible.	

Germ cell mutagenicity Due to lack of data the classification is not possible.

Carcinogenicity	Hazardous by WHMIS criteria. Cancer hazard.
Hungary. 26/2000 EüM Or at work (as amended)	dinance on protection against and preventing risk relating to exposure to carcinogens

Not listed.

Reproductive toxicity	Due to lack of data the classification is not possible.
Specific target organ toxicity - single exposure	Respiratory tract irritation.
Specific target organ toxicity - repeated exposure	Due to lack of data the classification is not possible.
Aspiration hazard	Due to lack of data the classification is not possible.
Mixture versus substance information	Not available.

Other information

This product has no known adverse effect on human health.

SECTION 12: Ecological information

12.1. Toxicity	No toxicity data noted for the ingredient(s).
12.2. Persistence and degradability	No data is available on the degradability of this product.
12.3. Bioaccumulative potential	Not available.
Partition coefficient n-octanol/water (log Kow)	Not available.
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	Not available.

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). Avoid discharge into water courses or onto the ground. Not applicable.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. Waste codes should be assigned by the user based on the application for which the product was used.
Disposal methods/information	Contract with a disposal operator licensed by the Law on Disposal and Cleaning. This material and its container must be disposed of as hazardous waste. Incinerate the material under controlled conditions in an approved incinerator. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. 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. Dispose of contents/container (in accordance with related regulations). Collect entire waste and then charge to a licensed industrial waste management professional with manifests for industrial waste.

SECTION 14: Transport information

ADR

14.1. UN number	UN1564
14.2. UN proper shipping	Barium compounds, n.o.s.
name	, , , , , , , , , , , , , , , , , , ,
14.3. Transport hazard clas	ss(es)
Class	6.1(PGIII)
Subsidiary risk	-
Label(s)	6.1
Hazard No. (ADR)	Not available.
Tunnel restriction	Not available.
code	Not available.
14.4. Packing group	III
14.5. Environmental	No.
hazards	
14.6. Special precautions	Not available.
for user	
RID	
14.1. UN number	UN1564
14.2. UN proper shipping	Barium compounds, n.o.s.
name	
14.3. Transport hazard clas	ss(es)
Class	6.1(PGIII)
Subsidiary risk	-
Label(s)	6.1
14.4. Packing group	III
14.5. Environmental	No.
hazards	
14.6. Special precautions	Not available.
for user	
ADN	
14.1. UN number	UN1564
14.2. UN proper shipping	Barium compounds, n.o.s.
name	
14.3. Transport hazard clas	ss(es)
Class	6.1(PGIII)
Subsidiary risk	-
Label(s)	6.1
14.4. Packing group	III
14.5. Environmental	No.
hazards	

14.6. Special precautions Not available. for user ΙΑΤΑ 14.1. UN number UN1564 14.2. UN proper shipping Barium compounds, n.o.s. name 14.3. Transport hazard class(es) 6.1(PGIII) Class Subsidiary risk Label(s) 6.1 14.4. Packing group III 14.5. Environmental No. hazards 14.6. Special precautions Not available. for user IMDG 14.1. UN number UN1564 14.2. UN proper shipping Barium compounds, n.o.s. name 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 Marine pollutant No. Not available. EmS Not available. 14.6. Special precautions 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

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.

Not instear	
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.
National regulations	Not available.
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 available.
Further information	HMIS® is a registered trade and service mark of the NPCA.
Disclaimer	Additional information is given in the Material Safety Data Sheet. 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.