MATERION

SAFETY DATA SHEET

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

1.1. Product identifier

Name of the substance Lutetium Fluoride Powders and Pieces

Identification number 237-355-8 (EC number)

Synonyms None. **Document number** 2FW **Materion Code** 2FW

Issue date 17-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

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

Noreen Atkinson Contact person

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

This substance does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended

Hazard summary Not classified for health hazards. However, occupational exposure to the mixture or substance(s)

may cause adverse health effects. The material as sold in solid form is generally not considered hazardous. However, if the process involves grinding, melting, cutting or any other process that causes a release of dust or fumes, hazardous levels of airborne particulate could be generated.

2.2. Label elements

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

Lutetium Fluoride Powders and Pieces **Contains:**

Hazard pictograms None. Signal word None.

Hazard statements The substance does not meet the criteria for classification.

Precautionary statements

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

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

Supplemental label

100 % of the mixture consists of component(s) of unknown acute oral toxicity. 100 % of the information mixture consists of component(s) of unknown acute dermal toxicity. 100 % of the mixture consists

of component(s) of unknown acute hazards to the aquatic environment. 100 % of the mixture

consists of component(s) of unknown long-term hazards to the aquatic environment.

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

2.3. Other hazards Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

3.1. Substances

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Lutetium Fluoride Powders and Pieces	100	13760-81-1 237-355-8	-	-	#
Classification:					

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance. vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

SECTION 4: First aid measures

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

protect themselves.

4.1. Description of first aid measures

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

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

Exposure may cause temporary irritation, redness, or discomfort.

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

Ingestion Rinse mouth. Get medical attention if symptoms occur.

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

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

Keep unnecessary personnel away. 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

personnel

precautions

Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for

Stop the flow of material, if this is without risk. Following product recovery, flush area with water.

containment and cleaning up 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

Avoid prolonged exposure. Observe good industrial hygiene practices.

handling

7.2. Conditions for safe storage, including any incompatibilities

Store in original 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 controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (Gv Material	Туре	Value	Form
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	MAK	2,5 mg/m3	Inhalable fraction.
·	STEL	12,5 mg/m3	Inhalable fraction.
Belgium. Exposure Limit Values.			
Material	Туре	Value	
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	TWA	2,5 mg/m3	

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work Material Type Value Lutetium Fluoride Powders TWA 2,5 mg/m3

and Pieces (CAS 13760-81-1)

13760-81-1)

13760-81-1)

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

Material	Туре	Value	
Lutetium Fluoride Powders and Pieces (CAS	MAC	2,5 mg/m3	
13760-81-1)			

Czech Republic. OELs. Government Decree 361

Material	Туре	Value	
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	Ceiling	5 mg/m3	
,	TWA	2,5 mg/m3	
Denmark. Exposure Limit Values			
Material	Туре	Value	
Lutetium Fluoride Powders and Pieces (CAS	TLV	2,5 mg/m3	

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Material	Туре	Value	
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	TWA	2,5 mg/m3	
Finland. Workplace Exposure Li	mits		
Material	Туре	Value	
Lutetium Fluoride Powders and Pieces (CAS	TWA	2,5 mg/m3	

	Туре	to Chemicals in France, INRS ED 984 Value
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	VME	2,5 mg/m3
Hungary. OELs. Joint Decree on C Material	chemical Safety of Workplaces Type	Value
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	STEL	10 mg/m3
	TWA	2,5 mg/m3
Iceland. OELs. Regulation 154/19 Material	999 on occupational exposure lin Type	nits Value
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	TWA	0,6 mg/m3
Latvia. OELs. Occupational expos Material	ure limit values of chemical subs Type	tances in work environment Value
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	TWA	2,5 mg/m3
Lithuania. OELs. Limit Values for Material	Chemical Substances, General R Type	equirements Value
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	TWA	2,5 mg/m3
Luxembourg. Binding Occupation Material	aal exposure limit values (Annex : Type	I), Memorial A Value
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	TWA	2,5 mg/m3
Malta. OELs. Occupational Exposi 424), Schedules I and V)	ure Limit Values (L.N. 227. of Occ	cupational Health and Safety Authority Act (C
Material	Type	Value
Lutetium Fluoride Powders and Pieces (CAS	Type TWA	Value 2,5 mg/m3
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Netherlands. OELs (binding)	TWA	2,5 mg/m3
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Netherlands. OELs (binding)		
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Netherlands. OELs (binding) Material Lutetium Fluoride Powders and Pieces (CAS	TWA	2,5 mg/m3
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Netherlands. OELs (binding) Material Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Norway. Administrative Norms for	Type STEL	2,5 mg/m3 Value 2 mg/m3
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Netherlands. OELs (binding) Material Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Norway. Administrative Norms for Material Lutetium Fluoride Powders and Pieces (CAS	TWA Type STEL or Contaminants in the Workplace	2,5 mg/m3 Value 2 mg/m3
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Netherlands. OELs (binding) Material Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Norway. Administrative Norms for Material Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Portugal. OELs. Decree-Law n. 29	Type STEL or Contaminants in the Workplace Type TLV	Value 2 mg/m3 Value 0,5 mg/m3
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Netherlands. OELs (binding) Material Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Norway. Administrative Norms for Material Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Portugal. OELs. Decree-Law n. 29 Material Lutetium Fluoride Powders and Pieces (CAS	Type STEL or Contaminants in the Workplace Type TLV 20/2001 (Journal of the Republic	2,5 mg/m3 Value 2 mg/m3 Value 0,5 mg/m3 - 1 Series A, n.266)
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Netherlands. OELs (binding) Material Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Norway. Administrative Norms for Material Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Portugal. OELs. Decree-Law n. 29 Material Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Portugal. OELs. Norm on occupation Material Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Portugal. VLEs. Norm on occupation Material	Type STEL or Contaminants in the Workplace Type TLV 00/2001 (Journal of the Republic Type TWA	2,5 mg/m3 Value 2 mg/m3 Value 0,5 mg/m3 - 1 Series A, n.266) Value 2,5 mg/m3

	Туре	Value
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	TWA	2,5 mg/m3
Slovakia. OELs. Regulation No. 3	300/2007 concerning protec	tion of health in work with chemical agents
Material	Туре	Value
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	TWA	2,5 mg/m3
•	imito	

Spain. Occupational Exposure Limits Material

Value **Type** Lutetium Fluoride Powders **TWA** 2,5 mg/m3

and Pieces (CAS 13760-81-1)

Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7) Material **Value Type**

Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)

TWA

2 mg/m3

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Material	Туре	Value	Form
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	STEL	4 mg/m3	Inhalable dust.
•	TWA	1 mg/m3	Inhalable dust.
UK. EH40 Workplace Exposure I	Limits (WELs)		
Material	Туре	Value	
Lutetium Fluoride Powders and Pieces (CAS	TWA	2,5 mg/m3	

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU **Material Type Value** Lutetium Fluoride Powders **TWA** 2,5 mg/m3 and Pieces (CAS 13760-81-1)

Biological limit values

13760-81-1)

Croatia. BLV. Dangerous Substance Exposure Limit Values at Workplace, Annexes 4 (as amended) **Material Value Determinant Specimen** Sampling time Lutetium Fluoride Powders 7 mg/g Fluoride Creatinine in and Pieces (CAS urine 13760-81-1) 4 mg/g Fluoride Creatinine in urine

Czech Republic. Limit Values for Indictators of Biological Exposure Tests in Urine and Blood, Annex 2, Tables 1 and 2 Government Decree 432/2003 Sh

Material	Value	Determinant	Specimen	Sampling time
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	60 μmol/mmol	Fluoride	Creatinine in urine	*
	10 mg/g	Fluoride	Creatinine in urine	*

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

France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065)				
Material	Value	Determinant	Specimen	Sampling time
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	3 mg/g	Fluorures	Creatinine in urine	*

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

Material	Value	Determinant	Specimen	Sampling time
	10 mg/g	Fluorures	Creatinine in urine	*
* - For sampling details, ple	ease see the source do	ocument.		
Germany. TRGS 903, BA Material	T List (Biological Lii Value	mit Values) Determinant	Specimen	Sampling time
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	7 mg/g	Fluorid	Creatinine in urine	*
	4 mg/g	Fluorid	Creatinine in urine	*
* - For sampling details, ple	ease see the source do	ocument.		
		linance Joint Decre	ee No. 25/2000	(Annex 2): Permissible limit values
of biological exposure (e Material	Value	Determinant	Specimen	Sampling time
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	7 mg/g	fluoride	Creatinine in urine	*
13700 01 1)	4 mg/g	fluoride	Creatinine in urine	*
	42 μmol/mmol	fluoride	Creatinine in urine	*
	24 μmol/mmol	fluoride	Creatinine in urine	*
Material	Value	Determinant	Specimen	Sampling time *
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	/ mg/g	Fluorides	Creatinine in urine	•
	4 mg/g	Fluorides	Creatinine in urine	*
* - For sampling details, ple				
Spain. Biological Limit V Material	alues (VLBs), Occup Value	pational Exposure Determinant	Limits for Chen Specimen	nical Agents, Table 4 Sampling time
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	3 mg/l	Fluoruros	Urine	*
	2 mg/l	Fluoruros	Urine	*
* - For sampling details, ple				
Switzerland. BAT-Werte Material	(Biological Limit Va Value	alues in the Workp Determinant	lace as per SUV Specimen	/A) Sampling time
Lutetium Fluoride Powders and Pieces (CAS 13760-81-1)	4 mg/l	Fluorid	Urine	*
* - For sampling details, ple				
ommended monitoring cedures	Follow standard n	nonitoring procedures	5.	
ved no effect levels ELs)	Not available.			
licted no effect	Not available.			
centrations (PNECs)				
centrations (PNECs) Exposure controls ropriate engineering				our) should be used. Ventilation rates sh

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.

controls

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.

- Other Wear suitable protective clothing.

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

Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state Solid. **Form** Solid.

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

boiling range

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.

< 0.0000001 kPa at 25 °C Vapour pressure

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

Solubility(ies)

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

(n-octanol/water)

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

9.2. Other information

Molecular formula F3Lu

Molecular weight 231,96 g/mol

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 No dangerous reaction known under conditions of normal use.

reactions

10.4. Conditions to avoid Contact with incompatible materials.

10.5. Incompatible materials Strong oxidising agents.

10.6. HazardousNo hazardous decompos

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 contactNo adverse effects due to skin contact are expected. **Eye contact**Direct contact with eyes may cause temporary irritation.

Ingestion May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of

occupational exposure.

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

11.1. Information on toxicological effects

Acute toxicity Not known.

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

irritation

Respiratory sensitisationDue to partial or complete lack of data the classification is not possible.Skin sensitisationDue to partial or complete lack of data the classification is not possible.Germ cell mutagenicityDue to partial or complete lack of data the classification is not possible.CarcinogenicityDue 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

Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicityDue to partial or complete lack of data the classification is not possible. **Specific target organ toxicity**Due to partial or complete lack of data the classification is not possible.

- single exposure

Specific target organ toxicity

- repeated exposure

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

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 Due to partial or complete lack of data the classification for hazardous to the aquatic environment,

is not possible.

12.2. Persistence and

degradability

12.3. Bioaccumulative No data available.

potential

Partition coefficient Not available.

n-octanol/water (log Kow)

Bioconcentration factor (BCF) Not available. **12.4. Mobility in soil** No data available.

12.5. Results of PBTNot a PBT or vPvB substance or mixture.

and vPvB

NOT a PDT OF VPVD Substance of mixture.

12.6. Other adverse effectsNo 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 substances in groundwater Data

Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Fluoride (as F-ion, total) 1500 UG/L

Fluoride (as F-ion, total) 4000 UG/L

Estonia Dangerous substances in soil Data

Lutetium Fluoride Powders and Pieces (CAS 13760-81-1) Fluoride (as F-ion) 1200 mg/kg

Fluoride (as F-ion) 2000 mg/kg Fluoride (as F-ion) 450 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).

Contaminated packagingSince 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 codeThe Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Disposal

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

methods/information

Special precautionsDispose 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

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

 $\label{eq:Regulation} \textbf{(EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended}$

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. Additional information is given in the Safety Data Sheet.

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.