

## SAFETY DATA SHEET

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

		and all the bound and a set demonstrate of	Irritating to eyes. Occupational exposure to the
Hazard summary	WARNING		
Serious eye damage/ey	e irritation	Category 1	H318 - Causes serious eye damage
Health hazards Skin corrosion/irritation		Category 1C	H314 - Causes severe skin burns and eye damage.
-	egulation (EC	) No 1272/2008 as amended	
The substance has been ass applies.	essed and/or te	ested for its physical, health and o	environmental hazards and the following classificatior
2.1. Classification of the sub			
SECTION 2: Hazards ide	entification		
Identified uses Uses advised against	Not availabl	le.	
	•	nce or mixture and uses advi	sed against
Version number	04	, 2020	
number Supersedes date	05-February	v-2016	
1.4. Emergency telephone			
Contact person	Laura Hami	ilton	
e-mail	advancedm	aterials@materion.com	
Telephone	414.212.02	57	
Division	Milwaukee, United State Milwaukee		
		. Paul Avenue	
Address	407 N. 13th		
Company name		dvanced Chemicals Inc.	
Supplier			
1.3. Details of the supplier of	f the safety da	ata sheet	
Revision date	10-January-	-2018	
Issue date	10-May-201	15	
Materion Code	1FP		
Synonyms	None.		
Document number	1FP		
Registration number	-	-	
Identification number		(EC number)	
Name of the substance	Chromium E	Bromide (CrBr3)	

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

Contains: Chromium Boride

Danger

Signal word Hazard statements H302 + H312

Harmful if swallowed or in contact with skin.

PreventionObserve good industrial hygiene practices.P264Wash thoroughly after handling.P280Wash thoroughly after handling.P280Wash thoroughly after handling.P280Wash thoroughly after handling.P280Wash bands after handling.ResponseWash hands after handling.P301 + P330 + P331IF SWALLOWED: rinse mouth. Do NOT induce vomiting.P303 + P361 + P353IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.P304 + P340IF INHALED: Remove person to fresh air and keep comfortable for breathing.P305 + P351 + P338IF IN EVES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.P310Immediately call a POISON CENTRE/doctor.P363Wash contaminated clothing before reuse.Store away from incompatible materials.P405Store away from incompatible materials.P405Store away from incompatible materials.P501Dispose of waste and residues in accordance with local authority requirements.P501Dispose of contents/container in accordance with local/regional/national/international regulations.Supplemental labelFor further information, please contact the Product Stewardship Department at +1.800.862.4118.	H314	Causes severe skin burns and eye damage.
H318Causes serious eye damage.H360May damage the unborn child.H361Suspected of damaging fertility.Precautionary statementsPreventionObserve good industrial hygiene practices.P264Wash thoroughly after handling.P280Wear protective gloves/protective clothing/eye protection/face protection.ResponseP301 + P330 + P331IF SWALLOWED: rinse mouth. Do NOT induce vomiting.P303 + P361 + P353IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.P304 + P340IF INHALED: Remove person to fresh air and keep comfortable for breathing.P310Immediately call a POISON CENTRE/doctor.P363Wash contaminated clothing before reuse.StorageP405Store away from incompatible materials.P405Store locked up.Dispose of contents/container in accordance with local authority requirements.p501Dispose of contents/container in accordance with local/regional/national/international regulations.Supplemental label informationFor further information, please contact the Product Stewardship Department at +1.800.862.4118.	H314	Causes severe skin burns and eye damage.
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H361Suspected of damaging fertility.Precautionary statementsObserve good industrial hygiene practices.P264Wash thoroughly after handling.P280Wear protective gloves/protective clothing/eye protection/face protection.ResponseWash hands after handling.P301 + P330 + P331IF SWALLOWED: rinse mouth. Do NOT induce vomiting.P303 + P361 + P353IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.P304 + P340IF INHALED: Remove person to fresh air and keep comfortable for breathing.P305 + P351 + P338IF NEYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.P310Immediately call a POISON CENTRE/doctor.P363Wash contaminated clothing before reuse.StorageStore locked up.Dispose of waste and residues in accordance with local authority requirements. Dispose of contents/container in accordance with local/regional/national/international regulations.Supplemental label informationFor further information, please contact the Product Stewardship Department at +1.800.862.4118.	H318	
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information	P501	
2.3. Other hazards None known.	Supplemental label information	For further information, please contact the Product Stewardship Department at +1.800.862.4118.
	2.3. Other hazards	None known.

### **SECTION 3: Composition/information on ingredients**

3.1. Substances

General information					
Chemical name	%	CAS-No. / EC No.	<b>REACH Registration No.</b>	Index No.	Notes
Chromium Boride	90 - 100	10031-25-1 233-088-6	-	-	#
Classification:	Skin Corr. 1B;H314, Skir 1B;H360, Repr. 2;H361	n Corr. 1C;H314, Sk	xin Sens. 1B;H317, Eye Dam.	1;H318, Repr.	

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

M: M-factor

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

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

#### **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 me	asures
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control centre immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control centre immediately.
Ingestion	Call a physician or poison control centre immediately. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
4.2. Most important symptoms and effects, both acute and delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

#### **SECTION 5: Firefighting measures**

General fire hazards	No unusual fire or explosion hazards noted.
5.1. Extinguishing media Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising from the substance or mixture	During fire, gases hazardous to health may be formed.
5.3. Advice for firefighters Special protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special firefighting procedures	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

#### **SECTION 6: Accidental release measures**

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

• • •	
For non-emergency personnel	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
For emergency responders	Keep unnecessary personnel away.
6.2. Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
6.3. Methods and material for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use.
6.4. Reference to other sections	Not available.
SECTION 7: Handling and	l storage

# 7.1. Precautions for safe<br/>handlingProvide adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure.<br/>Wear appropriate personal protective equipment.7.2. Conditions for safe<br/>storage, including any<br/>incompatibilitiesStore locked up. Store in original tightly closed container.7.3. Specific end use(s)Not available.

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

#### **Occupational exposure limits**

Material	Туре	Value
Chromium Boride (CAS 10031-25-1)	МАК	2 mg/m3
Bulgaria. OELs. Regulation No Material	13 on protection of workers a Type	against risks of exposure to chemical agents at work Value

Czech Republic. OELs. Government De Material	cree 361 Type	Value	
Chromium Boride (CAS 10031-25-1)	Ceiling	1,5 mg/m3	
	TWA	0,5 mg/m3	
Denmark. Exposure Limit Values Material	Tumo	Value	
Chromium Boride (CAS	Type TLV	0,5 mg/m3	
10031-25-1)		0,5 mg/m5	
Estonia. OELs. Occupational Exposure September 2001)	Limits of Hazardous Su	bstances. (Annex of Regu	lation No. 293 of 18
Material	Туре	Value	
Chromium Boride (CAS 10031-25-1)	TWA	2 mg/m3	
Finland. Workplace Exposure Limits Material	Tumo	Value	
Chromium Boride (CAS	<b>Type</b> TWA	0,5 mg/m3	
10031-25-1)		0,5 mg/m5	
France. Threshold Limit Values (VLEP) Material	for Occupational Expos Type	sure to Chemicals in Franc Value	ce, INRS ED 984
Chromium Boride (CAS 10031-25-1)	VME	2 mg/m3	
Germany. TRGS 900, Limit Values in th Material	ne Ambient Air at the W Type	orkplace Value	Form
Chromium Boride (CAS 10031-25-1)	AGW	2 mg/m3	Inhalable fraction.
Greece. OELs (Decree No. 90/1999, as Material	amended) Type	Value	
Chromium Boride (CAS 10031-25-1)	TWA	0,5 mg/m3	
Ireland. Occupational Exposure Limits Material	Туре	Value	
Chromium Boride (CAS 10031-25-1)	TWA	2 mg/m3	
Italy. Occupational Exposure Limits	_		
Material	Туре	Value	
Chromium Boride (CAS 10031-25-1)	TWA	0,5 mg/m3	
Latvia. OELs. Occupational exposure li Material	mit values of chemical Type	substances in work enviro Value	onment
Chromium Boride (CAS 10031-25-1)	TWA	2 mg/m3	
Lithuania. OELs. Limit Values for Chen Material	nical Substances, Gene Type	ral Requirements Value	
Chromium Boride (CAS 10031-25-1)	TWA	2 mg/m3	
Luxembourg. Binding Occupational ex Material	posure limit values (An Type	nex I), Memorial A Value	
Chromium Boride (CAS	TWA	2 mg/m3	

Material		Туре	Val	ue	
Chromium Boride (CAS 10031-25-1)		TWA	2 m	ıg/m3	
Norway. Administrativ Material		minants in the Work Type	place Val	ue	
Chromium Boride (CAS 10031-25-1)		TLV	0,5	mg/m3	
Ordinance of the Minis and intensities of harn Material	nful health factors			Laws 2014	oermissible concentrati I, item 817
Chromium Boride (CAS 10031-25-1)		TWA		mg/m3	
Portugal. OELs. Decree Material		(Journal of the Rep Type	ublic - 1 Series / Val		
Chromium Boride (CAS 10031-25-1)		TWA	2 m	ıg/m3	
Romania. OELs. Protec Material		om exposure to che <del>n</del> Type	nical agents at t Val		се
Chromium Boride (CAS 10031-25-1)		TWA	0,5	mg/m3	
Slovenia. OELs. Regula working (Official Gaze Material	tte of the Republic		s against risks d Val		sure to chemicals while
Chromium Boride (CAS 10031-25-1)		TWA	2 m	ıg/m3	
Spain. Occupational Ex Material	-	Туре	Val	ue	
Chromium Boride (CAS 10031-25-1)		TWA	2 m	ıg/m3	
Sweden. OELs. Work E Material		rity (AV), Occupatior Type	nal Exposure Lin Val	nit Values ( ue	AFS 2015:7) Form
Chromium Boride (CAS 10031-25-1)		TWA	0,5	mg/m3	Total dust.
Switzerland. SUVA Gre Material		splatz Type	Val	ue	Form
Chromium Boride (CAS 10031-25-1)		TWA	0,5	mg/m3	Inhalable dust.
UK. EH40 Workplace E Material		ELs) Type	Val	ue	
Chromium Boride (CAS 10031-25-1)		TWA	0,5	mg/m3	
EU. Indicative Exposur Material		Directives 91/322/EE Type	C, 2000/39/EC, Val		EC, 2009/161/EU
Chromium Boride (CAS 10031-25-1)		TWA	2 m	ıg/m3	
ogical limit values	ety at Workplace (	Ordinance Joint Decr	ee No. 25/2000	(Annex 2)	: Permissible limit valu
Hungary. Chemical Saf				、	
Hungary. Chemical Saf of biological exposure Material		Determinant	Specimen	Sampling	Time

Material	Value	Determinant	Specimen	Sampling Time
	0,043 µmol/mmol	chromium	Creatinine in urine	*
* - For sampling details, pl	ease see the source do	cument.		
Recommended monitoring procedures	Follow standard m	nonitoring procedures	5.	
Derived no effect levels (DNELs)	Not available.			
Predicted no effect concentrations (PNECs)	Not available.			
8.2. Exposure controls				
Appropriate engineering controls	be matched to con engineering contro limits have not be	nditions. If applicable ols to maintain airbor	, use process en ne levels below i tain airborne leve	our) should be used. Ventilation rates should closures, local exhaust ventilation, or other recommended exposure limits. If exposure els to an acceptable level. Eye wash facilities ng this product.
Individual protection measured	ures, such as person	al protective equip	ment	
General information				al protection equipment should be chosen the supplier of the personal protective
Eye/face protection	Wear safety glass	es with side shields (	or goggles) and a	a face shield.
Skin protection				
- Hand protection	Wear appropriate supplier.	chemical resistant gl	oves. Suitable glo	oves can be recommended by the glove
- Other	Wear appropriate	chemical resistant cl	othing.	
<b>Respiratory protection</b>	In case of insuffic	ient ventilation, wear	suitable respirat	ory equipment.
Thermal hazards	Wear appropriate	thermal protective cl	othing, when nee	cessary.
Hygiene measures		nking, and/or smokin		as washing after handling the material and sh work clothing and protective equipment to
Environmental exposure controls	Environmental ma	inager must be inforr	ned 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.
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	xplosive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	< 0,0000001 kPa at 25 °C

Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
9.2. Other information	
Molecular formula	Br3Cr
SECTION 10: Stability a	nd reactivity

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

#### **SECTION 11: Toxicological information**

**General information** Occupational exposure to the substance or mixture may cause adverse effects. Information on likely routes of exposure Inhalation May cause irritation to the respiratory system. Prolonged inhalation may be harmful. Skin contact Causes severe skin burns. **Eve contact** Causes serious eye damage. Ingestion Causes digestive tract burns. Symptoms Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. 11.1. Information on toxicological effects

Acute toxicity	No data available.
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Causes serious eye damage.
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.
Hungamy 26/2000 EüM	Ordinance on protoction against and proventing rick relating to exposure to exprise and

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

Chromium Boride (CAS 10031-25-1)		3 Not classifiable as to carcinogenicity to humans.
Reproductive toxicity	Due to partial or complete lack	of data the classification is not possible.
Specific target organ toxicity - single exposure	Due to partial or complete lack	of data the classification is not possible.
Specific target organ toxicity - repeated exposure	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	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.	
12.2. Persistence and degradability	No data is available on the deg	radability 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 of	r mixture.
12.6. Other adverse effects		al effects (e.g. ozone depletion, photochemical ozone creation , global warming potential) are expected from this component.
12.7. Additional information		
Estonia Dangerous substan	ces in groundwater Data	
Chromium Boride (CAS 10031-25-1)		Chromium (Cr) 10 ug/l Chromium (Cr) 200 ug/l
Estonia Dangerous substan	ces in soil Data	
Chromium Boride (CAS 10	031-25-1)	Chromium (Cr) 100 mg/kg Chromium (Cr) 300 mg/kg Chromium (Cr) 800 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 packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose in accordance with all applicable regulations.

## **SECTION 14: Transport information**

ADR	
14.1. UN number	UN3260
14.2. UN proper shipping	Corrosive solid, acidic, inorganic, n.o.s.
name	
14.3. Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Hazard No. (ADR)	80
Tunnel restriction	E
code	
14.4. Packing group	III
14.5. Environmental	No.
hazards	
14.6. Special precautions	Not available.
for user	
RID	
14.1. UN number	UN3260
14.2. UN proper shipping	Corrosive solid, acidic, inorganic, n.o.s.
name	
14.3. Transport hazard clas	ss(es)
Class	8
Subsidiary risk	-

Label(s) 8 14.4. Packing group III 14.5. Environmental No. hazards 14.6. Special precautions Not available. for user ADN 14.1. UN number UN3260 14.2. UN proper shipping Corrosive solid, acidic, inorganic, n.o.s. name 14.3. Transport hazard class(es) Class 8 Subsidiary risk \_ Label(s) 8 14.4. Packing group III 14.5. Environmental No. hazards 14.6. Special precautions Not available. for user IATA UN3260 14.1. UN number 14.2. UN proper shipping Corrosive solid, acidic, inorganic, n.o.s. name 14.3. Transport hazard class(es) Class 8 Subsidiary risk 14.4. Packing group III 14.5. Environmental No. hazards **ERG Code** 8L 14.6. Special precautions Not available. for user **Other information Passenger and cargo** Allowed with restrictions. aircraft Allowed with restrictions. Cargo aircraft only IMDG 14.1. UN number UN3260 CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. 14.2. UN proper shipping name 14.3. Transport hazard class(es) Class 8 Subsidiary risk 14.4. Packing group III 14.5. Environmental hazards Marine pollutant No. EmS F-A, S-B 14.6. Special precautions Not available. 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

	05/2009 on substances that deplete the ozone layer, Annex I and II, as amended
Not listed.	
Regulation (EC) No. 85	0/2004 On persistent organic pollutants, Annex I as amended
Not listed.	
Regulation (EU) No. 64 amended	9/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as
Not listed.	
Regulation (EU) No. 64 amended	9/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as
Not listed.	
Regulation (EU) No. 64 amended	9/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as
Not listed.	
Regulation (EU) No. 64	9/2012 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed.	
	6/2006 Annex II Pollutant Release and Transfer Registry, as amended
Chromium Boride (CA	
Not listed.	07/2006, REACH Article 59(10) Candidate List as currently published by ECHA
uthorisations	
	07/2006, REACH Annex XIV Substances subject to authorization, as amended
Not listed.	
lestrictions on use	
Regulation (EC) No. 19 amended	07/2006, REACH Annex XVII Substances subject to restriction on marketing and use as
Not listed.	
Directive 2004/37/EC: mutagens at work, as a	on the protection of workers from the risks related to exposure to carcinogens and amended.
Not listed.	
ther EU regulations	
Directive 2012/18/EU	on major accident hazards involving dangerous substances, as amended
Not listed.	
ther regulations	The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.
lational regulations	Follow national regulation for work with chemical agents. Young people under 18 years old are no allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended.
5.2. Chemical safety ssessment	No Chemical Safety Assessment has been carried out.
SECTION 16: Other in	formation
ist of abbreviations	Not available.

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