

SAFETY DATA SHEET

METALSHIELD QUICK DRY METAL PRIMER SECTION 1: Identification of the substance/mixture and of the company/ undertaking 1.1. Product identifier METALSHIELD QUICK DRY METAL PRIMER Product name 5 1.2. Relevant identified uses of the substance or mixture and uses advised against **Product use** ŝ. Waterborne coating for interior and exterior use. 1.3. Details of the supplier of the safety data sheet ICI Paints AkzoNobel. Wexham Road. Slough, Berkshire, SL2 5DS, U.K. Tel.: +44 (0) 333 222 70 70 www.duluxtrade.co.uk e-mail address of person : duluxtrade.advice@akzonobel.com responsible for this SDS 1.4 Emergency telephone number **Telephone number** : Emergency Telephone : Slough +44 (0) 1753 550000 : 3 Version

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Product definition	: Mixture
Classification according to	Regulation (EC) No. 1272/2008 [CLP/GHS]
Not classified.	
Ingredients of unknown toxicity	: 0%
Ingredients of unknown ecotoxicity	: 0%

See Section 16 for the full text of the H statements declared above.

SECTION 2: Hazards identification

See Section 11 for more detailed information on health effects and symptoms.

2.2. Label elements		
Signal word	:	No signal word.
Hazard statements	:	No known significant effects or critical hazards.
Precautionary statements		
General	:	P102 - Keep out of reach of children. P101 - If medical advice is needed, have product container or label at hand.
Prevention	:	P262 - Do not get in eyes, on skin, or on clothing.
Response	:	P312 - Call a POISON CENTER or doctor if you feel unwell.
Storage	:	Not applicable.
Disposal	:	P501 - Dispose of contents and container in accordance with all local, regional, national or international regulations.
Supplemental label elements	1	Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.
Special packaging requirem	en	<u>ts</u>
Containers to be fitted with child-resistant fastenings	:	Not applicable.
Tactile warning of danger	1	Not applicable.
2.3. Other hazards		
Voluntary label element (CEPE)	:	Contains methylisothiazolinone
Other hazards which do	1	None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

not result in classification

: Mixture

Product/ingredient name	Identifiers	% (w/w)	<u>Classification</u> Regulation (EC) No. 1272/2008 [CLP]	Туре
2-methoxymethylethoxy) propanol	REACH #: 01-2119450011-60 EC: 252-104-2 CAS: 34590-94-8	≤3	Not classified.	[2]
1,2-Benzisothiazol-3(2H)-one	EC: 220-120-9 CAS: 2634-33-5 Index: 613-088-00-6	<0,05	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) See Section 16 for the full text of the H statements declared above.	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section. <u>Type</u>

SECTION 3: Composition/information on ingredients

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1. Description of first aid measures General : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice. : Remove contact lenses, irrigate copiously with clean, fresh water, holding the Eye contact evelids apart for at least 10 minutes and seek immediate medical advice. Inhalation : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. **Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. If swallowed, seek medical advice immediately and show the container or label. Ingestion Keep person warm and at rest. Do NOT induce vomiting. **Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

4.2. Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself. The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in nonallergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.

See toxicological information (Section 11)

SECTION 5: Firefighting measures

5.1. Extinguishing media	
Suitable extinguishing media	: Recommended: alcohol-resistant foam, CO ₂ , powders, water spray.
Unsuitable extinguishing media	: Do not use water jet.

5.2. Special hazards arising from the substance or mixture			
Hazards from the substance or mixture	re will produce dense black s ause a health hazard.	moke. Exposure to decomposition products may	
Hazardous thermal decomposition products	ecomposition products may ir arbon dioxide, smoke, oxides	clude the following materials: carbon monoxide, of nitrogen.	

5.3. Advice for firefighters

SECTION 5: Firefighting measures

Special protective actions for fire-fighters	: Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.
Special protective equipment for fire-fighters	: Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures			
For non-emergency personnel	:	Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.	
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".	
6.2. Environmental precautions	:	Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.	
6.3. Methods and material for containment and cleaning up	:	Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.	
6.4. Reference to other sections	:	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.	

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe	: Avoid contact with skin and eyes. Avoid inhalation of vapour, spray or mist.
handling	Eating, drinking and smoking should be prohibited in areas where this material is
	handled, stored and processed.
	Put on appropriate personal protective equipment (see Section 8).
	Never use pressure to empty. Container is not a pressure vessel.
	Always keep in containers made from the same material as the original one.
	Comply with the health and safety at work laws.
	Do not allow to enter drains or watercourses.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations.

Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.

Additional information on storage conditions

Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep container tightly closed.

No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)	
Recommendations	: Not available.
Industrial sector specific	: Not available.
solutions	

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Product/ingredient name		Exposure limit values	
Z-methoxymethylethoxy)propanol		EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. TWA: 308 mg/m ³ 8 hours. TWA: 50 ppm 8 hours.	
Recommended monitoring : procedures	: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.		
DNELs/DMELs No DNELs/DMELs available.			
PNECs No PNECs available			
8.2 Exposure controls			
Appropriate engineering : controls	achieved by these are not	uate ventilation. Where reasonably practicable, this should be the use of local exhaust ventilation and good general extraction. If t sufficient to maintain concentrations of particulates and solvent w the OEL, suitable respiratory protection must be worn.	
Individual protection measures			
Hygiene measures :	before eating period. Appr contaminated	, forearms and face thoroughly after handling chemical products, g, smoking and using the lavatory and at the end of the working opriate techniques should be used to remove potentially d clothing. Wash contaminated clothing before reusing. Ensure that tions and safety showers are close to the workstation location.	
Eye/face protection : Skin protection	Use safety e	yewear designed to protect against splash of liquids.	
Hand protection			
Gloves :	(breakthroug	of exposure, a glove with protection class of 2 or higher h time >30 minutes according to EN374) is recommended. ed gloves: Nitrile, thickness ≥ 0.12 mm.	
	duration of us workplace fa handled, phy protection), p	e selection of a specific glove for a particular application and se in a workplace should also take into account all relevant ctors such as, but not limited to: Other chemicals which may be sical requirements (cut/puncture protection, dexterity, thermal potential body reactions to glove materials, as well as the instructions/ s provided by the glove supplier.	
	this product i	st check that the final choice of type of glove selected for handling s the most appropriate and takes into account the particular use, as included in the user's risk assessment.	

SECTION 8: Exposure controls/personal protection

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that the gloves are free from defects and that they are stored and used correctly.

- **Body protection** : Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.
- **Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- **Respiratory protection** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

OLD LEAD-BASED PAINTS:

When surfaces are to be prepared for painting, account should be taken of the age of the property and the possibility that lead-pigmented paint might be present. There is a possibility that ingestion or inhalation of scrapings or dust arising from the preparation work could cause health effects. As a working rule you should assume that this will be the case if the age of the property is pre 1960.

Where possible wet sanding or chemical stripping methods should be used with surfaces of this type to avoid the creation of dust. When dry sanding cannot be avoided, and effective local exhaust ventilation is not available, it is recommended that a dust respirator is worn, that is approved for use with lead dusts, and its type selected on the basis of the COSHH assessment, taking into account the Workplace Exposure Limit for lead in air. Furthermore, steps should be taken to ensure containment of the dusts created, and that all practicable measures are taken to clean up thoroughly all deposits of dusts in and around the affected area.

Respiratory protection in case of dust or spray mist formation. (particle filter EN143 type P2) Respiratory protection in case of vapour formation. (half mask with combination filter A2-P2 til concentrations of 0,5 Vol%.)

The current Control of Lead at Work Regulations approved code of practice should be consulted for advice on protective clothing and personal hygiene precautions. Care should also be taken to exclude visitors, members of the household and especially children from the affected area, during the actual work and the subsequent clean up operations. All scrapings, dust, etc. should be disposed of by the professional painting contractor as Hazardous Waste.

Extra precautions will also need to be taken when burning off old lead-based paints because fumes containing lead will be produced. It is recommended that a respirator, approved for use with particulate fumes of lead is selected on the basis of the COSHH assessment, taking into account the Workplace Exposure Limit for lead in air. Similar precautions to those given above about sanding should be taken with reference to protective clothing, disposal of scrapings and dusts, and exclusion of other personnel and especially children from the building during actual work and the subsequent clean up operations.

Avoid the inhalation of dust. Wear suitable face mask if dry sanding. Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead.

Environmental exposure : Do not allow to enter drains or watercourses. controls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<u>Appearance</u>		
Physical state	1	Liquid.
Colour	1	Various: See label.
Odour	1	Not available.
Odour threshold	1	Not available.
рН	1	8,5
Melting point/freezing point	1	Not available.
Initial boiling point and boiling range	1	100°C
Flash point	1	Not applicable.
Evaporation rate	4	Not available.
Upper/lower flammability or explosive limits	1	Not available.
Vapour pressure	1	Not available.
Vapour density	1	Not available.
Relative density	1	1,257
Solubility(ies)	4	Easily soluble in the following materials: cold water.
Solubility in water	1	Not available.
Partition coefficient: n-octanol/ water	1	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	1	Not available.
Viscosity	1	Kinematic (room temperature): 17,5 cm ² /s
Explosive properties	:	Not available.
Oxidising properties	:	Not available.
9.2. Other information		

No additional information.

SECTION 10: Stability and reactivity

10.1. Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
10.2. Chemical stability	:	Stable under recommended storage and handling conditions (see Section 7).
10.3. Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4. Conditions to avoid	:	When exposed to high temperatures may produce hazardous decomposition products.
10.5. Incompatible materials	:	Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
10.6. Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

There are no data available on the mixture itself. The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in nonallergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

Acute toxicity

Conclusion/Summary : Not available.

Acute toxicity estimates

Not available.

Irritation/Corrosion

Product/ingradiant name	Result	Species	Score	Exposure	Observation
Product/ingredient name		Species	Score	Exposure	Observation
2-methoxymethylethoxy)	Eyes - Mild irritant	Human	-	-	-
	Eyes - Mild irritant	Rabbit	-	-	-
	Skin - Mild irritant	Rabbit	-	-	-
1,2-Benzisothiazol-3(2H)- one	Skin - Mild irritant	Human	-	-	-
Conclusion/Summary	: Not available.		-		
Sensitisation					
Conclusion/Summary	: Not available.				
Mutagenicity					
Conclusion/Summary	: Not available.				
Carcinogenicity					
Conclusion/Summary	: Not available.				
Reproductive toxicity					
Conclusion/Summary	: Not available.				
Teratogenicity					
Conclusion/Summary	: Not available.				
Specific target organ toxicit	<u>ty (single exposure)</u>				
Not available.					
Specific target organ toxicit	<u>y (repeated exposure)</u>				
Not available.					
Aspiration hazard					
Not available.					

Not available.

Other information

: Not available.

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the mixture itself. Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as hazardous to the environment.

SECTION 12: Ecological information

Product/ingredient name	Result	Species	Exposure
7,2-Benzisothiazol-3(2H)-	Acute EC50 1,5 mg/l	Daphnia - Daphnia magna	48 hours
	Acute EC50 0,4 mg/l Acute IC50 0,067 mg/l	Daphnia - Pseudomonas putia Algae - Pseudokirchneriella subcapitata	16 hours 72 hours
	Acute LC50 1,3 mg/l	Fish - Ochorhyncus mykiss	96 hours
Conclusion/Summary	: Not available.		

Conclusion/Summary

12.2. Persistence and degradability

Conclusion/Summary 12.3. Bioaccumulative potenti		Not available.
12.4. Mobility in soil		
Soil/water partition coefficient (Koc)	:	Not available.
Mobility	:	Not available.
12.5. Results of PBT and vPvB	Ba	issessment
PBT	:	Not applicable.
		P: Not available. B: Not available. T: Not available.
vPvB	:	Not applicable.
		vP: Not available. vB: Not available.
12.6. Other adverse effects	:	No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.
Disposal considerations	 Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Disposal considerations	 Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.
Special precautions	: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR	IMDG
14.1 UN number	Not regulated.	Not regulated.
14.2 UN proper shipping name	Not applicable.	Not applicable.
14.3 Transport hazard class(es) Class	Not applicable.	Not applicable.
Subsidiary class	-	-
14.4 Packing group	Not applicable.	Not applicable.
14.5 Environmental hazards		
Marine pollutant	No.	No.
Marine pollutant substances		Not available.
14.6 Special precautions for user	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.	
HI/Kemler number	Not available.	
Emergency schedules (EmS)		Not applicable.
14.7 Transport in bu according to Annex MARPOL and the IB	ll of	
Additional information	-	-

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed, or the component present is below its threshold.

SECTION 15: Regulatory information

SECTION 15: Regula	tory information
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Other EU regulations	
VOC	: Compliant with EU law for this product subcategory: see label
Europe inventory	: At least one component is not listed.
Ozone depleting substances	<u>s (1005/2009/EU)</u>
Not listed.	
Prior Informed Consent (PIC	;) (649/2012/EU)
Not listed.	
Seveso Directive	
This product is not controlled	under the Seveso Directive.
- F	
International regulations	
Chemical Weapon Conventio	n List Schedules I, II & III Chemicals
Not listed.	
Montreal Protocol (Annexes	A. B. C. E)
Not listed.	
Stockholm Convention on Pe	ersistent Organic Pollutants
Not listed.	
Rotterdam Convention on Pr	ior Inform Consent (PIC)
Not listed.	
UNECE Aarhus Protocol on F	POPs and Heaver Metals
Not listed.	
Turkey	: At least one component is not listed.
15.2 Chemical safety assessment	: Not applicable.
SECTION 16: Other in	formation
CEPE code	: 8
Indicates information that has a second s	as changed from previously issued version.
Abbreviations and acronyms	 ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement

EUH statement = CLP-specific Hazard statement

- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
 - RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

Full text of abbreviated H statements

SECTION 16: Other information

H315 H317 H318	Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.
H400	Very toxic to aquatic life.

Full text of classifications [CLP/GHS]

Acute Tox. 4, H302 Aquatic Acute 1, H400 Eye Dam. 1, H318 Skin Irrit. 2, H315 Skin Sens. 1, H317		ACUTE TOXICITY (oral) - Category 4 ACUTE AQUATIC HAZARD - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITIZATION - Category 1
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Notice to reader

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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