Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - United Kingdom (UK)

SAFETY DATA SHEET

HARDENER HY 4076



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

1.1 Product identifier	
Product name	: HARDENER HY 4076
Registration number	: Not available.
Product code	: 00049150
Product description	: Not available.
Other means of identification	: Not available.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use : Hardener for adhesive systems

1.3 Details of the supplier of the safety data sheet

Supplier	: Huntsman Advanced Materials (Europe)BVBA Everslaan 45 3078 Everberg / Belgium Tel.: +41 61 299 20 41 Fax: +41 61 299 20 40
e-mail address of person responsible for this SDS	: Global_Product_EHS_AdMat@huntsman.com E-mail address to request full REACH registration number upon EU member State Authority request : REACH_Registration_Nr_AM@huntsman.com

1.4 Emergency telephone number

<u>Supplier</u>	
Telephone number	: EUROPE: +32 35 75 1234 France ORFILA: +33(0)145425959 ASIA: +65 6336-6011 China: +86 20 39377888 India: +91 22 4050 6333 Australia: 1800 786 152 New Zealand: 0800 767 437 USA: +1/800/424.9300

SECTION 2: Hazards identification

2.1 Classification of the subs	tance or mixture
Product definition	: Mixture
Classification according to F Acute Tox. 4, H332 Skin Corr. 1B, H314 Eye Dam. 1, H318	Regulation (EC) No. 1272/2008 [CLP/GHS]
Ingredients of unknown toxicity	: Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 44.8%
Ingredients of unknown ecotoxicity	: Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 44.8%
Classification according to I	Directive 1999/45/EC [DPD]
The product is classified as c	langerous according to Directive 1999/45/EC and its amendments.
Classification	: Xn; R20 C; R34
Human health hazards	: Harmful by inhalation. Causes burns.
See Section 16 for the full text	of the R phrases or H statements declared above.
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SECTION 2: Hazards identification

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

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: Danger

2.2 Label elements

Signal word

Hazard pictograms



Signal word		Dangen		
Hazard statements	:	Harmful if inhaled.		
		Causes severe skin burns and eye damage.		
Precautionary statements				
General	1	Not applicable.		
Prevention	:	Wear protective gloves: >8 hours (breakthrough time): Ethyl Vinyl Alcohol Laminate (EVAL), butyl rubber. Wear eye or face protection. Wear protective clothing.		
Response	:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Immediately call a POISON CENTER or physician. IF IN EYES: Immediately call a POISON CENTER or physician.		
Storage	:	Store locked up.		
Disposal	:	Not applicable.		
Hazardous ingredients	:	3,3'-[Butane-1,4-diylbis(oxy)]bispropanamine		
Supplemental label elements	:	Not applicable.		
Special packaging requirem	en	<u>ts</u>		
Containers to be fitted with child-resistant fastenings	:	Not applicable.		
Tactile warning of danger	:	Not applicable.		
2.3 Other hazards				
Other hazards which do	:	Not available.		

not result in classification

SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

			Classification		
Product/ingredient name	Identifiers	%	67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	Туре
3,3'-[Butane-1,4- diylbis(oxy)]bispropanamine	CAS: 7300-34-7 EC: 230-745-9	30-60	Xn; R20 C; R34	Acute Tox. 4, H332 Skin Corr. 1B, H314 Eye Dam. 1, H318	[1]
			See Section 16 for the full text of the R- phrases declared above.	See Section 16 for the full text of the H statements declared above.	

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 and hence require reporting in this section.

Type

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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

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

SECTION 4: First aid measures

4.1 Description of first aid n	neasures
Eye contact	: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
Inhalation	: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	: Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
4.2 Most important symptoi	ns and effects, both acute and delayed
Potential acute health effe	<u>cts</u>
Eye contact	: Causes serious eye damage.
Inhalation	: Harmful if inhaled. May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	: Causes severe burns.
Ingestion	: May cause burns to mouth, throat and stomach.
Over-exposure signs/sym	<u>otoms</u>
Eye contact	 Adverse symptoms may include the following: pain watering

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SECTION 4: First	aid measures			
Inhalation	: No specific data.			
Skin contact	: Adverse symptoms pain or irritation redness blistering may occu	s may include the following: ur		
Ingestion	: Adverse symptoms stomach pains	: Adverse symptoms may include the following: stomach pains		
4.3 Indication of any imi	mediate medical attention	and special treatment neede	d	
Notes to physician			a fire, symptoms may be delayed. medical surveillance for 48 hours.	
Specific treatments		nent and supportive therapy as nt should be kept under medica		

SECTION 5: Firefighting measures

0	0	
5.1 Extinguishing media		a outing visible grant quitable for the ourrounding fire
Suitable extinguishing media	Use ar	n extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	None I	known.
5.2 Special hazards arising fr	n the su	ibstance or mixture
Hazards from the substance or mixture	In a fire	e or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	carbon carbon	nposition products may include the following materials: a dioxide a monoxide en oxides
5.3 Advice for firefighters		
Special precautions for fire-fighters		tly isolate the scene by removing all persons from the vicinity of the incident if s a fire. No action shall be taken involving any personal risk or without suitable g.
Special protective equipment for fire-fighters	breath mode. confor	whers should wear appropriate protective equipment and self-contained ing apparatus (SCBA) with a full face-piece operated in positive pressure Clothing for fire-fighters (including helmets, protective boots and gloves) ming to European standard EN 469 will provide a basic level of protection for cal incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	te	ctive equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
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	:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for co Wellmid Electronics (Shenzhen) Co., Ltd.	ntainment and clea	ning up Email: wellmid@wellmid.com	Tel: 86-755-28168941	Fax: 86-755-22648848
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SECTION 6: Acc	idental release meas	ures					

Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see section 1 for emergency contact information and section 13 for waste disposal.
6.4 Reference to other	: See Section 1 for emergency contact information.

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 handling

Protective measures	:	Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
7.2 Conditions for safe storage, including any incompatibilities	:	Store between the following temperatures: 2 to 40°C (35.6 to 104°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
Storage hazard class Huntsman Advanced Materials	:	Storage class 8, Corrosive substances
7.3 Specific end use(s)		
Recommendations	:	Not available.
Industrial sector specific solutions	:	Not available.

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SECTION 8: Exposure controls/personal protection

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).

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

R	eco	om	mei	າde	d m	on	ito	rin

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 European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Derived effect levels

No DELs available.

Predicted effect concentrations

No PECs available.

8.2 Exposure controls

Appropriate engineering controls	 Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Individual protection meas	<u>ures</u>
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Material of gloves for long term application (BTT>480min):	: Ethyl Vinyl Alcohol Laminate (EVAL), butyl rubber
Material of gloves for short term/splash application (10min <btt<480min): (BTT = Break Through Time)</btt<480min): 	: nitrile rubber
(211 – Dioux miough mio)	Use gloves approved to relevant standards e.g. EN 374 (Europe), F739 (US). Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers. Additional information can be found for instance at www.gisbau.de.
Body protection	 Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
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.

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SECTION 8: Expos	ure controls/perso	nal protection				
Respiratory protection In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.						

Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some
	cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties					
Appearance					
Physical state	: Liquid.				
Colour	: Light yellow				
Odour	: Amine-like.				
Odour threshold	: Not available.				
рН	: Not available.				
Melting point/freezing point	: Not available.				
Initial boiling point and boiling range	: 150°C				
Flash point	: Closed cup: >100°C				
Evaporation rate	: Not available.				
Flammability (solid, gas)	: Not available.				
Burning time	: Not applicable.				
Burning rate	: Not applicable.				
Upper/lower flammability or explosive limits	: Not available.				
Vapour pressure	: Not available.				
Vapour density	: Not available.				
Relative density	: Not available.				
Solubility(ies)					
Water solubility	: Partly miscible				
	20 deg C				
Partition coefficient: n- octanol/water (LogK _{ow})	: Not available.				
Auto-ignition temperature	: Not available.				
Decomposition temperature	: Not available.				
Viscosity	: Dynamic (25°C): 1000 - 2000 mPa⋅s Kinematic: Not available. Kinematic (40°C): Not available.				
Explosive properties	: Not available.				
Oxidising properties	: Not available.				
9.2 Other information					
Density	: 0.97 g/cm ³ [25°C (77°F)]				

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SECTION 10: Stabilit	ty and reactivity		
10.1 Reactivity	: No specific test data	a related to reactivity available	for this product or its ingredients.
10.2 Chemical stability	: The product is stable	e.	
10.3 Possibility of : Under normal conditions of storage and use, hazardous reactions will not occur. hazardous reactions			
10.4 Conditions to avoid	: No specific data.		
10.5 Incompatible materials	: strong acids, strong	bases, strong oxidising agent	ts
10.6 Hazardous decomposition products	: Under normal condi should not be produ		ardous decomposition products
	Decomposition prod	lucts may include the following	g materials:Carbon oxides

SECTION 11: Toxicological information

11.1 Information on toxicolog	gical effects		
Acute toxicity	No	l'au	
Conclusion/Summary Acute toxicity estimates	: No additional informa	ation.	
Acute toxicity estimates	Devite		
	Route	ATE value	9
Inhalation (vapours)		11 mg/l	
Irritation/Corrosion			
Conclusion/Summary			
Skin	: No additional informa	ation.	
Eyes	: No additional informa	ation.	
Respiratory	: No additional information	ation.	
<u>Sensitiser</u>			
Conclusion/Summary			
Skin	: No additional informa	ation.	
Respiratory	: No additional informa	ation.	
Mutagenicity			
Conclusion/Summary	: No additional informa	ation.	
Carcinogenicity			
Conclusion/Summary	: No additional informa	ation.	
Reproductive toxicity			
Conclusion/Summary	: No additional informa	ation.	
Teratogenicity			
Conclusion/Summary	: No additional informa	ation.	
Specific target organ toxicit			
Not available.	<u>, (</u>		
Specific target organ toxicit	ty (repeated exposure)		
Not available.			
Aspiration hazard			
Not available.			
Information on the likely routes of exposure	: Not available.		
Potential acute health effect	<u>ts</u>		
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SECTION 11: Toxicol	ogical informatio	n	
Inhalation	to the respiratory system		t that is very irritating or corrosive ition products may cause a health exposure.
Ingestion	: May cause burns to m	outh, throat and stomach.	
Skin contact	: Causes severe burns.		
Eye contact	: Causes serious eye d	amage.	
Symptoms related to the ph	ysical, chemical and tox	kicological characteristics	
Inhalation	: No specific data.		
Ingestion	: Adverse symptoms m stomach pains	ay include the following:	
Skin contact	: Adverse symptoms m pain or irritation redness blistering may occur	ay include the following:	
Eye contact	: Adverse symptoms m pain watering redness	ay include the following:	
Delayed and immediate effe	cts and also chronic eff	ects from short and long te	<u>erm exposure</u>
Short term exposure Potential immediate effects	: Not available.		
Potential delayed effects	: Not available.		
Long term exposure Potential immediate effects	: Not available.		
Potential delayed effects	: Not available.		
Potential chronic health effe			
Conclusion/Summary	: No additional informat	tion.	
General		effects or critical hazards.	
Carcinogenicity	•	effects or critical hazards.	
Mutagenicity	•	effects or critical hazards.	
Teratogenicity	•	effects or critical hazards.	
Developmental effects	-	effects or critical hazards.	
Fertility effects Other information	•	effects or critical hazards.	
	: Not available.		
SECTION 12: Ecolog	ical information		
12.1 Toxicity Conclusion/Summary	: No additional informat	tion.	

12.2 Persistence and degradability

Conclusion/Summary : No additional information.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition	: Not available.
coefficient (Koc)	

Mobility : Not available.

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SECTION 12: Ecological information

12.5 Results of PBT and vPvB assessment

Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

12.7 Other ecological information

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. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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.
Hazardous waste	: Yes.

European waste catalogue (EWC)

Waste code	Waste designation			
07 02 04*	other organic solvents, washing liquids and mother liquors			
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. 			
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. 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

	14.1 UN number	14.2 UN proper shipping name
ADR/RID	UN2735	Polyamines, liquid, corrosive, n.o.s. DIOXADODECANE DIAMINE
IMDG	UN2735	Polyamines, liquid, corrosive, n.o.s. (DIOXADODECANE DIAMINE)
ΙΑΤΑ	UN2735	Polyamines, liquid, corrosive, n.o.s. (DIOXADODECANE DIAMINE)

	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards	14.6 Special precautions for user	Additional information
ADR/RID	8	II	No.	Not available.	Hazard identification number 80
					<u>Special</u> provisions 274
					<u>Tunnel code</u> E

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SECTIC)N 14	4: Transp	ort informat	ion		
IMDG	8		11	No.	Not available.	Emergency schedules (EmS) F-A, S-B
IATA	8		II	No.	Not available.	Passenger and Cargo Aircraft Quantity limitation: 1 L Packaging instructions: 851 Cargo Aircraft OnlyQuantity limitation: 30 L Packaging instructions: 855

14.7 Transport in bulk: Not applicable.according to Annex II ofMARPOL 73/78 and the IBCCode

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

This product is compliant with the REACH Regulation EC 1907/2006. Huntsman has pre-registered and is registering all of the substances that it manufactures in or imports into the European Economic Area (EEA) that are subject to Title II of the REACH Regulation.

Annex XIV - List of substances subject to authorisation

ATTIEX ATV - LIST OF SUDSTAL	ice	
Substances of very high of	con	icern
None of the components a	are	listed.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.
Other EU regulations		
Europe inventory	:	All components are listed or exempted.
Black List Chemicals	:	Not listed
Priority List Chemicals	:	Not listed
Integrated pollution prevention and control list (IPPC) - Air	:	Not listed
Integrated pollution prevention and control list (IPPC) - Water	:	Not listed
National regulations		
References	:	The provision of Safety Data Sheets comes under Regulation 6 of CHIP (CHIP is the recognised abbreviation for the Chemicals Hazard Information and Packaging Regulations). This is an addition to the Health and Safety at Work Act 1974.
International regulations		
Australia inventory (AICS)	:	At least one component is not listed.
Canada inventory	1	At least one component is not listed.
China inventory (IECSC) Wellmid Electronics (Shenzhen) Co., L	.td.	At least one component is not listed. Web: www.wellmid.com Email: wellmid@wellmid.com Tel: 86-755-28168941 Fax: 86-755-22648848

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SECTION 15: Regul	atory information			
Japan inventory	: At least one compone	ent is not listed.		
Korea inventory (KECI)	: At least one compone	ent is not listed.		
New Zealand Inventory of	: All components are listed or exempted.			

New Zealand Inventory of Chemicals (NZIoC)	: All components are listed or exempte
Philippines inventory (PICCS)	: At least one component is not listed.
United States inventory (TSCA 8b)	: At least one component is not listed.
Chemical Weapons Convention List Schedule I Chemicals	: Not listed
Chemical Weapons Convention List Schedule II Chemicals	: Not listed
Chemical Weapons Convention List Schedule III Chemicals	: Not listed

15.2 Chemical Safety	1	This product contains substances for which Chemical Safety Assessments are still
Assessment		required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.				
Abbreviations and	: ATE = Acute Toxicity Estimate			
acronyms	CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.			
	1272/2008]			
	DNEL = Derived No Effect Level			
	EUH statement = CLP-specific Hazard statement			
	PNEC = Predicted No Effect Concentration			
	RRN = REACH Registration Number			

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

Classi	fication Justification		
Acute Tox. 4, H332 Skin Corr. 1B, H314 Eye Dam. 1, H318	Calculation method Calculation method Calculation method		
Full text of abbreviated H statements	 1314 Causes severe skin burns and eye damage. 1318 Causes serious eye damage. 1332 Harmful if inhaled. 		
Full text of classifications [CLP/GHS]	: Acute Tox. 4, H332 Eye Dam. 1, H318 Skin Corr. 1B, H314ACUTE TOXICITY: INHALATION - Category 4 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 1B		
Full text of abbreviated R phrases	R20- Harmful by inhalation. R34- Causes burns.		
Full text of classifications [DSD/DPD]	: C - Corrosive Xn - Harmful		
(M)SDS no.	: 00049150		
Date of printing	: 1/7/2013.		
Date of issue/ Date of revision	: 1/7/2013.		
Date of previous issue	: No previous validation.		
Version	: 1		
Notice to reader			

Conforms to Regulation	i (EC) No. 1907/2006 (REACH)	, Annex II - United Kingdon	n (UK)
HARDENER HY 4076			13/13
Date of printing	: 7 January 2013	(M)SDS no.	: 00049150
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SECTION 16: Other information

While the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

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