AFETY DATA SHEET	Γ		Honeywell
aterial - Stencil Print		0HV (PTM6000HV Phase le Version)	Change Interface
<b>)4870</b> rsion 1.1		Revision Date 08/16/2018	Print Date 02/20/202
CTION 1. IDENTIFICATION			
Product name	:	Stencil Printable PTM6000HV (PTM6 Interface Material - Stencil Printable	
Number	:	00000022555	
Product Use Description	:	Thermal interface material	
Manufacturer or supplier's details	:	Honeywell International Inc. 115 Tabor Road Morris Plains, NJ 07950-2546	
For more information call	:	1-480-293-9800	
		(Monday-Friday, 9:00am-5:00pm)	
In case of emergency call	:	Medical: 1-800-498-5701 or +1-303 Transportation (CHEMTREC): 1-80 527-3887	
	:	(24 hours/day, 7 days/week)	
CTION 2. HAZARDS IDENTIF	FICA	TION	
Emergency Overview			
Form		: paste	
Color	:	grey	
Odor		slight	
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SAFETY DATA SHEET			Honeywell
Stencil Printable PTM6 Material - Stencil Printa	-	00HV Phase Cl	nange Interface
104870			
Version 1.1	Revision Date 0	8/16/2018	Print Date 02/20/2020
Classification of the substa			
Not a dangerous substance of	or mixture according to	the Globally Harmoni	sed System (GHS).
Precautionary statements	: <b>Prevention:</b> Use personal pre	otective equipment as	required.
Hazards not otherwise classified	: Repeated or pro respiratory syste		rirritate eyes, skin and
Carcinogenicity No component of this product or anticipated carcinogen by N	TP, IARC, or OSHA.		1% is identified as a known
SECTION 3. COMPOSITION/INF	ORMATION ON INGR	EDIENTS	
Chemical nature	: Mixture		
Chemical r	name	CAS-No.	Concentration
Aluminum		7429-90-5	30.00 - 80.00 %
Zinc oxide		1314-13-2	0.00 - 45.00 %
Solvent		-	0.00 - 15.00 %
Polymer		-	1.00 - 10.00 %
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Proprietary ingredient			-	0.10 - 10.00 %
Proprietary ingredient			-	0.30 - 3.00 %
Proprietary ingredient			-	0.10 - 1.50 %
Proprietary ingredient			-	0.10 - 2.00 %
Proprietary ingredient			-	0.30 - 4.50 %
<b>TION 4. FIRST AID MEAS</b> General advice	: First aid	der needs to prot	ect himself. N	love out of dangerous
Inhalation	If breat	hing is difficult, g	ive oxygen. U	give artificial respiration. se oxygen as required, nt. Call a physician.
Skin contact	minutes immedi	s. Take off contain	minated clothi aminated clot	hing before re-use. Call a
Eye contact		ast 15 minutes.		r, also under the eyelids, an if irritation develops or
Ingestion	back, p			vomits when lying on his on. Immediate medical
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sion 1.1       Revision Date 08/16/2018       Print Date 02         Notes to physician       Indication of immediate immedical attention and special treatment needed, if necessary       Treat symptomatically.         CTION 5. FIREFIGHTING MEASURES       Suitable extinguishing media       : Dry chemical Carbon dioxide (CO2) Water spray         Unsuitable extinguishing media       : Dry chemical Carbon dioxide (CO2) Water spray       : In case of fire hazardous decomposition products may be produced such as: Carbon monoxide CArbon dioxide (CO2) Aluminum oxides Silicon oxides         Special protective equipment for firefighters       : Wear self-contained breathing apparatus and protective su for firefighters         Further information       : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.         CTION 6. ACCIDENTAL RELEASE MEASURES       Personal precautions, protective equipment and emergency procedures         Personal precautions, protective equipment and emergency procedures       : Wear personal protective equipment. Evacuate personnel to safe areas. Eliminate all ignition sources if safe to do so. Do not swallow.	ETY DATA SHEET	Honeywell
Notes to physician         Indication of immediate medical attention and special treatment needed, if necessary       : Treat symptomatically.         CTION 5. FIREFIGHTING MEASURES         Suitable extinguishing media       : Dry chemical Carbon dioxide (CO2) Water spray         Unsuitable extinguishing media       : High volume water jet         Specific hazards during firefighting       : In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO2) Aluminum oxides Silicon oxides         Special protective equipment for firefighters       : Wear self-contained breathing apparatus and protective su for firefighters         Further information       : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.         CTION 6. ACCIDENTAL RELEASE MEASURES         Personal precautions, protective equipment and emergency procedures       : Wear personal protective equipment. Evacuate personnel to safe areas. Eliminate all ignition sources if safe to do so. Do not swallow.		
Notes to physician         Indication of immediate medical attention and special treatment needed, if necessary         CTION 5. FIREFIGHTING MEASURES         Suitable extinguishing media       : Dry chemical Carbon dioxide (CO2) Water spray         Unsuitable extinguishing media       : Dry chemical Carbon dioxide (CO2) Water spray         Unsuitable extinguishing media       : In case of fire hazardous decomposition products may be produced such as: Carbon dioxide (CO2) Aluminum oxides Silicon oxides         Specific hazards during firefighting       : In case of fire hazardous decomposition products may be produced such as: Carbon dioxide (CO2) Aluminum oxides Silicon oxides         Special protective equipment for firefighters       : Wear self-contained breathing apparatus and protective set for firefighters         Further information       : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.         CTION 6. ACCIDENTAL RELEASE MEASURES         Personal precautions, protective equipment and emergency procedures       : Wear personal protective equipment. Evacuate personnel to safe areas. Eliminate all ignition sources if safe to do so. Do not swallow.	-	
Indication of immediate medical attention and special treatment needed, if necessary       Treat symptomatically.         CTION 5. FIREFIGHTING MEASURES       Suitable extinguishing media       Dry chemical Carbon dioxide (CO2) Water spray         Unsuitable extinguishing media       High volume water jet       In case of fire hazardous decomposition products may be produced such as: Carbon monoxide (CO2) Aluminum oxides Silicon oxides         Special protective equipment       Wear self-contained breathing apparatus and protective su for firefighters         Further information       Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.         CTION 6. ACCIDENTAL RELEASE MEASURES       Personal precautions, protective equipment and emergency procedures	<u>1.1 R</u> i	evision Date 08/16/2018 Print Date 02/20/20
medical attention and special treatment needed, if necessary         CTION 5. FIREFIGHTING MEASURES         Suitable extinguishing media       : Dry chemical Carbon dioxide (CO2) Water spray         Unsuitable extinguishing media       : High volume water jet         Specific hazards during firefighting       : In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO2) Aluminum oxides Silicon oxides         Special protective equipment for firefighters       : Wear self-contained breathing apparatus and protective su circumstances and the surrounding environment.         CTION 6. ACCIDENTAL RELEASE MEASURES       : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.         Personal precautions, protective equipment and emergency procedures       : Wear personal protective equipment. Evacuate personnel to safe areas. Eliminate all ignition sources if safe to do so. Do not swallow.	tes to physician	
Suitable extinguishing media       : Dry chemical Carbon dioxide (CO2) Water spray         Unsuitable extinguishing media       : High volume water jet         Specific hazards during firefighting       : In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO2) Aluminum oxides Silicon oxides         Special protective equipment for firefighters       : Wear self-contained breathing apparatus and protective su circumstances and the surrounding environment.         Further information       : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.         CTION 6. ACCIDENTAL RELEASE MEASURES       : Wear personal protective equipment. Evacuate personnel to safe areas. Eliminate all ignition sources if safe to do so. Do not swallow.	edical attention and ecial treatment needed, if	at symptomatically.
Carbon dioxide (CO2)         Water spray         Unsuitable extinguishing media         Specific hazards during firefighting         In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO2)         Aluminum oxides Silicon oxides         Special protective equipment for firefighters         Further information       : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.         CTION 6. ACCIDENTAL RELEASE MEASURES         Personal precautions, protective equipment and emergency procedures       : Wear personal protective equipment. Evacuate personnel to safe areas. Eliminate all ignition sources if safe to do so. Do not swallow.	ON 5. FIREFIGHTING MEASURES	;
media Specific hazards during firefighting: In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO2) Aluminum oxides Silicon oxidesSpecial protective equipment for firefighters: Wear self-contained breathing apparatus and protective su circumstances and the surrounding environment.Further information: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.CTION 6. ACCIDENTAL RELEASE MEASURESPersonal precautions, protective equipment and emergency procedures: Wear personal protective equipment. Evacuate personnel to safe areas. Eliminate all ignition sources if safe to do so. Do not swallow.	Ca	rbon dioxide (CO2)
firefighting       produced such as: Carbon monoxide Carbon dioxide (CO2) Aluminum oxides Silicon oxides         Special protective equipment for firefighters       : Wear self-contained breathing apparatus and protective su isomore interfighters         Further information       : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.         CTION 6. ACCIDENTAL RELEASE MEASURES       : Wear personal protective equipment. Evacuate personal protective equipment. Evacuate personnel to safe areas. Eliminate all ignition sources if safe to do so. Do not swallow.	edia	
for firefighters <ul> <li>Further information</li> <li>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</li> </ul> CTION 6. ACCIDENTAL RELEASE MEASURES         Personal precautions, protective equipment and emergency procedures <ul> <li>Wear personal protective equipment.</li> <li>Evacuate personnel to safe areas.</li> <li>Eliminate all ignition sources if safe to do so. Do not swallow.</li> </ul>	fighting pro Ca Ca Alu	oduced such as: rbon monoxide rbon dioxide (CO2) iminum oxides
CTION 6. ACCIDENTAL RELEASE MEASURES         Personal precautions, protective equipment and emergency procedures       : Wear personal protective equipment. Evacuate personnel to safe areas. Eliminate all ignition sources if safe to do so. Do not swallow.		ear self-contained breathing apparatus and protective suit.
protective equipment and emergency proceduresEvacuate personnel to safe areas. Eliminate all ignition sources if safe to do so. Do not swallow.		
protective equipment and emergency proceduresEvacuate personnel to safe areas.Eliminate all ignition sources if safe to do so. Do not swallow.	ON 6. ACCIDENTAL RELEASE M	EASURES
	betective equipment and Eva bergency procedures Elim Do	cuate personnel to safe areas. ninate all ignition sources if safe to do so.
Avoid contact with skin, eyes and clothing.		id contact with skin, eyes and clothing.
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sion 1.1		Revision Date 08/16/2018	Print Date 02/20/202
Environmental precautions	:	Should not be released into the envir Prevent further leakage or spillage if	
Methods and materials for containment and cleaning up	:	Ventilate the area. Avoid dust formation. Contain spillage, soak up with non-co material, (e.g. sand, earth, diatomace and transfer to a container for dispos national regulations (see section 13).	eous earth, vermiculite) al according to local /
CTION 7. HANDLING AND ST	TOF	AGE	
Handling			
Precautions for safe handling	:	Handle with care. Wear personal protective equipment. Avoid dust formation. Do not swallow. Avoid breathing vapours, mist or gas Avoid contact with skin, eyes and clo	
Advice on protection against fire and explosion	:	Avoid dust formation. Normal measures for preventive fire	protection.
Storage			
Conditions for safe storage, including any incompatibilities	:	Keep containers tightly closed in a dr place. Keep away from heat and sources of Keep away from direct sunlight. Protect from physical damage. Store away from incompatible substa	ignition.
CTION 8. EXPOSURE CONTR	ROL	S/PERSONAL PROTECTION	
Protective measures	:	Ensure that eyewash stations and sa	fety showers are close to

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rsion 1.1		Re	vision Date	9 08/16/2018		Print Date 02/20/20
		the v	vorkstation	location		
		Avoi	d dust form	ation.		
		-	ot swallow. d breathing			
				rith skin, eyes and	d clothing	
Engineering measures	:	Ensu	ire adequa	te ventilation.		
Eye protection	:			with side-shields		
				r other emergenc e shield, giving co		otection to eyes
Hand protection		Prote	ective glove	- S	-	
	•	Glov	es must be	inspected prior t	o use.	
		Repl	ace when v	worn.		
Skin and body protection	on :	Apro Prote	n ective suit			
				likely to occur, we	ear:	
		Com	plete suit p	rotecting against	chemical	S
Respiratory protection	:	No p requ		spiratory protectiv	e equipm	ent normally
Hygiene measures	:			dance with good	industrial	hygiene and safety
		prac Avoi	d dust form	ation.		
		Whe	n using, do	not eat, drink or		
		Was prod		fore breaks and i	immediate	ely after handling the
		Rem	ove and wa	ash contaminated		before re-use.
			o working c ot swallow.	lothes separately	<b>.</b>	
		Avoi	d breathing	vapours, mist or		
		Avoi	d contact w	ith skin, eyes and	d clothing	
Exposure Guidelines	AS-No.		Value	Control	Linda	Rasis
Components C/			value	Control parameters	Upda te	Basis
			Dama 6	. / 10		
			Page 6	19		

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on 1.1	F	Revision Date	08/16/2018		Print Date 02/20
Aluminum	7429-90-5	TWA : Time weighted average	1 mg/m3	2008	ACGIH:US. ACGIH Threshold Limit Values
Further information	: Form of exposur		fraction.		
Aluminum	7429-90-5	PEL : Permissi ble exposure limit	15 mg/m3	02 2006	OSHA_TRANS:US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Further information	: Form of exposur Expressed as : a			I	
Aluminum	7429-90-5	PEL : Permissi ble exposure limit	5 mg/m3	03 2016	OSHA_TRANS:US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Further information	: Form of exposur Expressed as : a		e fraction.		
Aluminum	7429-90-5	TWA : Time weighted average	5 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)
Further information	: Form of exposur Expressed as : a				
Aluminum	7429-90-5	TWA : Time weighted average	15 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)
		Page 7	/ 19		

#### Honeywell SAFETY DATA SHEET Stencil Printable PTM6000HV (PTM6000HV Phase Change Interface Material - Stencil Printable Version) 104870 Version 1.1 Revision Date 08/16/2018 Print Date 02/20/2020 Further Form of exposure : Total dust. 1 information Expressed as : as Al Aluminum 7429-90-5 TWA : 5 mg/m3 1989 Z1A:US. OSHA Time Table Z-1-A (29 weighted CFR 1910.1000) average Further Form of exposure : Respirable dust. : information Expressed as : as Al Aluminum 7429-90-5 TWA : 5 mg/m3 1989 Z1A:US. OSHA Time Table Z-1-A (29 weighted CFR 1910.1000) average Form of exposure : Pyrophoric powder. Further : information Expressed as : as AI Aluminum 7429-90-5 REL : 10 mg/m3 2016 NIOSH/GUIDE:US. Recomm NIOSH: Pocket ended Guide to Chemical exposure Hazards limit (REL): Further Form of exposure : Total : information REL : NIOSH/GUIDE:US. Aluminum 7429-90-5 5 mg/m3 2016 Recomm NIOSH: Pocket ended Guide to Chemical exposure Hazards limit (REL): Further Form of exposure : Respirable. : information

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	7429-90-5	REL : Recomm	5 mg/m3		Print Date 02/20/2
Further : F	7429-90-5		5 mg/m3		
		ended exposure limit (REL):		2016	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards
information E	Form of exposure Expressed as : as	: Welding fu	ume or pyrophoric	powder	
Aluminum	7429-90-5	TWA : Time weighted average	15 mg/m3	03 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000)
Further : F information	Form of exposure				
Aluminum	7429-90-5	TWA : Time weighted average	5 mg/m3	03 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000)
Further : F information	Form of exposure		e fraction.		
Aluminum	7429-90-5	TWA : Time weighted average	50 millions of particles per cubic foot of air	03 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000)
Further : F information	Form of exposure	: Total dust			
Aluminum	7429-90-5	TWA : Time weighted average	15 millions of particles per cubic foot of air	03 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000)
Further : F information	Form of exposure	: Respirable	e fraction.		
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<b>870</b> on 1.1	_	Re	vision Date	08/16/2018		Print Date 02/20/
Zinc oxide		1314-13-2	STEL : Short term exposure limit	10 mg/m3	2008	ACGIH:US. ACGIH Threshold Limit Values
Further information	:	Form of exposure	: Respirable	e fraction.		
Zinc oxide		1314-13-2	TWA : Time weighted average	2 mg/m3	2008	ACGIH:US. ACGIH Threshold Limit Values
Further information	:	Form of exposure		fraction.	·	
Zinc oxide		1314-13-2	REL : Recomm ended exposure limit (REL):	5 mg/m3	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards
Further information	:	Form of exposure	· · /			
Zinc oxide		1314-13-2	REL : Recomm ended exposure limit (REL):	5 mg/m3	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards
Further information	:	Form of exposure				

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on 1.1			evision Date	00/10/2010		Print Date 02/20/
Zinc oxide		1314-13-2	Ceil_Tim e: Ceiling Limit Value and Time Period (if specified) :	15 mg/m3	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards
Further information	:	Form of exposure	e : Dust.			
Zinc oxide		1314-13-2	STEL : Short term exposure limit	10 mg/m3	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards
Further information	:	Form of exposure	e : Fume.		•	
Zinc oxide		1314-13-2	PEL : Permissi ble exposure limit	5 mg/m3	02 2006	OSHA_TRANS:US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Further information	:	Form of exposure	e : Fume.			
Zinc oxide		1314-13-2	PEL : Permissi ble exposure limit	5 mg/m3	02 2006	OSHA_TRANS:US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Further information	:	Form of exposure	e : Respirable	e fraction.	I	
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sion 1.1	Re	evision Date	08/16/2018		Print Date 02/20/20
Zinc oxide	1314-13-2	PEL : Permissi ble exposure limit	15 mg/m3	02 2006	OSHA_TRANS:US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Further information	: Form of exposure	: Total dust			
Zinc oxide	1314-13-2	STEL : Short term exposure limit	10 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)
Further information	: Form of exposure	: Fume.			
Zinc oxide	1314-13-2	TWA : Time weighted average	5 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)
Further information	: Form of exposure				
Zinc oxide	1314-13-2	TWA : Time weighted average	5 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)
Further information	: Form of exposure		e fraction.		
Zinc oxide	1314-13-2	TWA : Time weighted average	10 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)
Further information	: Form of exposure				
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CTION 9. PHYSICAL AND CHEMICAL PROPERTIES         Physical state       : paste         Color       : grey         Odor       : slight         pH       : Note: no data available         Melting point/range       : Note: no data available         Boiling point/boiling range       : Note: no data available         Flash point       : > 302 °F (150 °C) Method: open cup         Lower explosion limit       : Note: no data available         Upper explosion limit       : Note: Not applicable	ge Interface
rsion 1.1       Revision Date 08/16/2018         CCTION 9. PHYSICAL AND CHEMICAL PROPERTIES         Physical state       : paste         Color       : grey         Odor       : slight         pH       : Note: no data available         Melting point/range       : Note: no data available         Boiling point/boiling range       : Note: no data available         Flash point       : > 302 °F (150 °C) Method: open cup         Lower explosion limit       : Note: no data available         Upper explosion limit       : Note: no data available	Print Date 02/20/
CTION 9. PHYSICAL AND CHEMICAL PROPERTIES         Physical state       : paste         Color       : grey         Odor       : slight         pH       : Note: no data available         Melting point/range       : Note: no data available         Boiling point/boiling range       : Note: no data available         Flash point       : > 302 °F (150 °C) Method: open cup         Lower explosion limit       : Note: no data available         Upper explosion limit       : Note: Not applicable	
Color: greyOdor: slightpH: Note: no data availableMelting point/range: Note: no data availableBoiling point/boiling range: Note: no data availableFlash point: > 302 °F (150 °C) Method: open cupLower explosion limit: Note: no data availableUpper explosion limit: Note: Not applicable	
Color: greyOdor: slightpH: Note: no data availableMelting point/range: Note: no data availableBoiling point/boiling range: Note: no data availableFlash point: > 302 °F (150 °C) Method: open cupLower explosion limit: Note: no data availableUpper explosion limit: Note: Not applicable	
Odor:slightpH:Note: no data availableMelting point/range:Note: no data availableBoiling point/boiling range:Note: no data availableFlash point:> 302 °F (150 °C) Method: open cupLower explosion limit:Note: no data availableUpper explosion limit:Note: no data available	
pH:Note: no data availableMelting point/range:Note: no data availableBoiling point/boiling range:Note: no data availableFlash point:> 302 °F (150 °C) Method: open cupLower explosion limit:Note: no data availableUpper explosion limit:Note: no data available	
Melting point/range: Note: no data availableBoiling point/boiling range: Note: no data availableFlash point: > 302 °F (150 °C) Method: open cupLower explosion limit: Note: no data availableUpper explosion limit: Note: Not applicable	
Boiling point/boiling range       : Note: no data available         Flash point       : > 302 °F (150 °C) Method: open cup         Lower explosion limit       : Note: no data available         Upper explosion limit       : Note: Not applicable	
Flash point       : > 302 °F (150 °C) Method: open cup         Lower explosion limit       : Note: no data available         Upper explosion limit       : Note: Not applicable	
Lower explosion limit       : Note: no data available         Upper explosion limit       : Note: Not applicable	
Upper explosion limit : Note: Not applicable	
No	
Vapor pressure : Note: no data available	
Vapor density : Note: no data available	
Density : Note: no data available	
Water solubility : Note: no data available	
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### Honeywell SAFETY DATA SHEET Stencil Printable PTM6000HV (PTM6000HV Phase Change Interface Material - Stencil Printable Version) 104870 Version 1.1 Revision Date 08/16/2018 Print Date 02/20/2020 Ignition temperature : Note: no data available Oxidizing properties : The substance or mixture is not classified as oxidizing. Bulk density : Note: Not applicable SECTION 10. STABILITY AND REACTIVITY Chemical stability : Stable under normal conditions. Possibility of hazardous : Hazardous polymerisation does not occur. reactions Conditions to avoid : Keep away from heat and sources of ignition. Keep away from direct sunlight. Incompatible materials : Oxidizing agents Peroxides Chlorates, inorganic, n.o.s. Perchlorates permanganates, e.g. potassium permanganate Nitrates **Reducing agents** Acids : In case of fire hazardous decomposition products may be Hazardous decomposition products produced such as: Carbon monoxide Carbon dioxide (CO2) Aluminum oxides Silicon oxides Page 14 / 19

Aterial - Stencil Printable Version) 04870	AFETY DATA SHEET	Honeywell			
Print Date 08/16/2018       Print Date 02         ECTION 11. TOXICOLOGICAL INFORMATION         Acute oral toxicity       : Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method         Acute inhalation toxicity       : Acute toxicity estimate: > 40 mg/l, vapour Exposure time: 4 h Method: Calculation method         Acute dermal toxicity       : Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method         Skin irritation       : Note: no data available         Eye irritation       : Note: no data available         Sensitisation       : Note: no data available         Further information       : Note: No data is available on the product itself.	·				
Acute oral toxicity: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation methodAcute inhalation toxicity: Acute toxicity estimate: > 40 mg/l , vapour Exposure time: 4 h Method: Calculation methodAcute dermal toxicity: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation methodSkin irritation: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation methodEye irritation: Note: no data availableSensitisation: Note: no data availableFurther information: Note: No data is available on the product itself.		Revision Date 08/16/2018	Print Date 02/20/202		
Acute oral toxicity: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation methodAcute inhalation toxicity: Acute toxicity estimate: > 40 mg/l , vapour Exposure time: 4 h Method: Calculation methodAcute dermal toxicity: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation methodSkin irritation: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation methodEye irritation: Note: no data availableSensitisation: Note: no data availableFurther information: Note: No data is available on the product itself.					
Method: Calculation methodAcute inhalation toxicity: Acute toxicity estimate: > 40 mg/l , vapour Exposure time: 4 h Method: Calculation methodAcute dermal toxicity: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation methodSkin irritation: Note: no data availableEye irritation: Note: no data availableSensitisation: Note: no data availableFurther information: Note: No data is available on the product itself.	CTION 11. TOXICOLOGICAL	INFORMATION			
Exposure time: 4 h Method: Calculation methodAcute dermal toxicity: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation methodSkin irritation: Note: no data availableEye irritation: Note: no data availableSensitisation: Note: no data availableFurther information: Note: No data is available on the product itself.	Acute oral toxicity		/kg		
Method: Calculation method         Skin irritation       : Note: no data available         Eye irritation       : Note: no data available         Sensitisation       : Note: no data available         Further information       : Note: No data is available on the product itself.	Acute inhalation toxicity	Exposure time: 4 h	/apour		
Eye irritation       : Note: no data available         Sensitisation       : Note: no data available         Further information       : Note: No data is available on the product itself.	Acute dermal toxicity		/kg		
Sensitisation       : Note: no data available         Further information       : Note: No data is available on the product itself.	Skin irritation	: Note: no data available			
Further information : Note: No data is available on the product itself.	Eye irritation	: Note: no data available			
	Sensitisation	: Note: no data available			
CTION 12. ECOLOGICAL INFORMATION	Further information	: Note: No data is available on the pro	oduct itself.		
Further information on ecology					
Additional ecological : We have no quantitative data concerning the ecological			rning the ecological		
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Stencil Printable PTM6 Naterial - Stencil Print	6000HV (PTM6000HV Ph able Version)	ase Change Interface
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information	effects of this product.	concerning the ecological
	effects of this product.	
ECTION 13. DISPOSAL CONS	IDERATIONS	
Disposal methods	: Observe all Federal, State, ar regulations.	d Local Environmental
ECTION 14. TRANSPORT INF	ORMATION	
<b>DOT</b> Not dangerous g	oods	
TDG Not dangerous g	oods	
IATA Not dangerous g	oods	
IMDG Not dangerous g	oods	
ECTION 15. REGULATORY IN	FORMATION	
Inventories		
US. Toxic Substances Control Act	: On TSCA Inventory	
Australia. Industrial Chemical (Notification and Assessment) Act	: Not in compliance with the inve	ntory
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	: This product contains one or se Canadian NDSL.	veral components listed in the
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## Honeywell

<b>4870</b> sion 1.1	Revision Date 08/16/2018	Print Date 02/20/20
	200 00, 10,2010	2410 02/20/20
Japan. Kashin-Hou Law List	: Not in compliance with the inv	rentory
Korea. Existing Chemicals Inventory (KECI)	: On the inventory, or in complia	ance with the inventory
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	: Not in compliance with the inv	rentory
China. Inventory of Existing Chemical Substances	: Not in compliance with the inv	rentory
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New	: Not in compliance with the inv	rentory
Zealand		
	ion	
Zealand	ion : No chemicals in this material a requirements of SARA Title III	
Zealand National regulatory informa	: No chemicals in this material a	, Section 302.
Zealand National regulatory informa SARA 302 Components	<ul> <li>No chemicals in this material a requirements of SARA Title III</li> <li>The following components are established by SARA Title III, a Aluminum</li> </ul>	subject to reporting levels Section 313: 7429-90-5
Zealand National regulatory informa SARA 302 Components SARA 313 Components	<ul> <li>No chemicals in this material a requirements of SARA Title III</li> <li>The following components are established by SARA Title III, Aluminum</li> <li>Zinc oxide</li> </ul>	subject to reporting levels Section 313: 7429-90-5
Zealand National regulatory informa SARA 302 Components SARA 313 Components	<ul> <li>No chemicals in this material a requirements of SARA Title III</li> <li>The following components are established by SARA Title III, Aluminum</li> <li>Zinc oxide</li> </ul>	subject to reporting levels Section 313: 7429-90-5
Zealand National regulatory informa SARA 302 Components SARA 313 Components	<ul> <li>No chemicals in this material a requirements of SARA Title III</li> <li>The following components are established by SARA Title III, Aluminum</li> <li>Zinc oxide</li> </ul>	subject to reporting levels Section 313: 7429-90-5
Zealand National regulatory informa SARA 302 Components SARA 313 Components	<ul> <li>No chemicals in this material a requirements of SARA Title III</li> <li>The following components are established by SARA Title III, Aluminum</li> <li>Zinc oxide</li> </ul>	subject to reporting levels Section 313: 7429-90-5
Zealand National regulatory informa SARA 302 Components SARA 313 Components	<ul> <li>No chemicals in this material a requirements of SARA Title III</li> <li>The following components are established by SARA Title III, 1</li> <li>Aluminum</li> <li>Zinc oxide</li> <li>No SARA Hazards</li> </ul>	subject to reporting levels Section 313: 7429-90-5

AFETY DATA SHEET		Honeywell
encil Printable PTM6 aterial - Stencil Print	6000HV (PTM6000HV Phas able Version)	se Change Interface
4870		
sion 1.1	Revision Date 08/16/2018	Print Date 02/20/20
California Prop. 65	: <b>WARNING:</b> This product can listed below, known to the State of	
	For more information go to www.F	
	Formaldehyde Ethylbenzene	50-00-0 100-41-4
Massachusetts RTK	: Aluminum : Zinc oxide : Formaldehyde	7429-90-5 1314-13-2 50-00-0
New Jersey RTK	: Aluminum : Zinc oxide	7429-90-5 1314-13-2
Pennsylvania RTK	: Aluminum : Zinc oxide	7429-90-5 1314-13-2
CTION 16. OTHER INFORMA		
Health hazard	HMIS III NFPA	
Flammability	: 1 1	
Physical Hazard Instability	: 0 : 0	
Hazard rating and rating sys use of individuals trained in t	tems (e.g. HMIS® III, NFPA): This info the particular system.	ormation is intended solely for the
Further information		
information and belief at the guidance for safe handling, u to be considered a warranty	his Safety Data Sheet is correct to the date of its publication. The information ise, processing, storage, transportation or quality specification. The information or not be valid for such material used in	given is designed only as a n, disposal and release and is no n relates only to the specific
0,		

### Honeywell

#### Stencil Printable PTM6000HV (PTM6000HV Phase Change Interface Material - Stencil Printable Version)

#### 104870

Version 1.1

Revision Date 08/16/2018

Print Date 02/20/2020

materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Previous Issue Date: 10/24/2017

Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group

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