rsion 1.0	Revision Date 07/09/20	019 Print Date 12/03/20	
CTION 1. IDENTIFICATION			
Product name	: HT5000		
Number	: 00000024203		
Product Use Description	: Electronic Materials		
Note	The handling and use of qualified individuals. The properties of this materia	rch and development purposes only. this material must be supervised by e chemical, physical and toxicological al have not been fully investigated. andling, storage and disposal.	
Manufacturer or supplier's details	: Honeywell International I 115 Tabor Road		
For more information call	Morris Plains, NJ 07950- : 1-509-252-2200 1-480-293-9800(Monday	-2546 y-Friday, 9:00am-5:00pm)	
In case of emergency call	 Medical: 1-800-498-5701 or +1-303-389-1414 Transportation (CHEMTREC): 1-800-424-9300 or +1-703 527-3887 		
	527-3887		
	527-3887 : : (24 hours/day, 7 days/we	eek)	
	: : (24 hours/day, 7 days/we	eek)	
CTION 2. HAZARDS IDENTIF Emergency Overview	: : (24 hours/day, 7 days/we	eek)	
	: : (24 hours/day, 7 days/we	eek)	
Emergency Overview	: : (24 hours/day, 7 days/we	eek)	
Emergency Overview Form	: (24 hours/day, 7 days/we CATION : paste	eek)	
Emergency Overview Form Color	: (24 hours/day, 7 days/we CATION : paste : grey : slight	eek)	
Emergency Overview Form Color Odor Classification of the substa	: (24 hours/day, 7 days/we CATION : paste : grey : slight nce or mixture	eek) obally Harmonised System (GHS).	
Emergency Overview Form Color Odor Classification of the substa	: (24 hours/day, 7 days/we CATION : paste : grey : slight nce or mixture r mixture according to the Gle		

00000024203

Version 1.0

Revision Date 07/09/2019

Print Date 12/03/2019

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical natureKixtureChemical nameCAS-No.ConcentrationAluminium oxide1344-28-190.00 - 100.00 %Proprietary Ingredient-<10.00 %</td>Modified organopolysiloxane-<10.00 %</td>Proprietary Ingredient-<10.00 %</td>

SECTION 4. FIRST AID MEASURES

Inhalation	: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present. Call a physician.
Skin contact	: Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Call a physician if irritation develops or persists.
Eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician.
Ingestion	: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If victim is fully conscious, give a cupful of water. Call a physician.
	Page 2 / 11

SAFETY DATA SHEET			Honeywell
00000024203			
Presion 1.0		Revision Date 07/09/2019	Print Date 12/03/201
Notes to physician Indication of immediate medical attention and special treatment needed, if necessary	:	Treat symptomatically.	
ECTION 5. FIREFIGHTING MEA	ASUR	RES	
Suitable extinguishing media	:	Water spray Foam Carbon dioxide (CO2)	
Specific hazards during firefighting	:	In case of fire hazardous decomposit produced such as: Aluminum oxides carbon oxides (CO, CO2).	ion products may be
Special protective equipment for firefighters	:	Wear self-contained breathing appara	atus and protective suit.
Further information	:	Use extinguishing measures that are circumstances and the surrounding e	
ECTION 6. ACCIDENTAL RELE	EASE	E MEASURES	
Personal precautions, protective equipment and emergency procedures		Wear personal protective equipment. Ensure adequate ventilation. Do not swallow. Do not breathe vapours, mist or gas. Avoid contact with skin, eyes and cloth	ning.
Environmental precautions		Should not be released into the enviro Prevent further leakage or spillage if s	
Methods and materials for containment and cleaning up		Ventilate the area. Sweep up and shovel into suitable cor Dispose of in accordance with local re	
ECTION 7. HANDLING AND ST Handling	ORA	AGE	

Honeywell

sion 1.0		Revision Date 07/09/2019	Print Date 12/03/20
Precautions for safe handling	:	Wear personal protective equipment. Use only in well-ventilated areas. Do not swallow. Do not breathe vapours, mist or gas. Avoid contact with skin, eyes and clo	
Advice on protection against fire and explosion	:	Normal measures for preventive fire	protection.
Storage			
Conditions for safe storage, including any incompatibilities	:	Keep containers tightly closed in a dr place. Store away from incompatible substa	-
CTION 8. EXPOSURE CONT	ROI	S/PERSONAL PROTECTION	
Protective measures	:	Ensure that eyewash stations and sa the workstation location. Legal requirements are to be conside selection, use and care of personal p Do not breathe vapours or spray mist Avoid contact with skin, eyes and clo	ered in regard of the protective equipment. t.
Engineering measures	:	Use with local exhaust ventilation.	
Eye protection	:	Safety glasses with side-shields	
Hand protection	:	Protective gloves Gloves must be inspected prior to us Replace when worn.	e.
Skin and body protection	:	Protective suit	
Respiratory protection	:	In case of insufficient ventilation, wea equipment.	ar suitable respiratory
Hygiene measures	:	Handle in accordance with good indu practice. When using do not eat, drink or smol Wash hands before breaks and imme product. Remove and wash contaminated clot Keep working clothes separately.	ke. ediately after handling the
		Doro 4 / 11	
		Page 4 / 11	

Honeywell

on 1.0		Re	vision Date	07/09/2019		Print Date 12/03/2
Exposure Guid	elir	nes				
Components	-	CAS-No.	Value	Control parameters	Upda te	Basis
Aluminium oxide		1344-28-1	TWA : Time weighted average	1 mg/m3	2009	ACGIH:US. ACGIH Threshold Limit Values
Further information	:	Form of exposure	: Respirable	e fraction.		
Aluminium oxid	le	1344-28-1	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	: Respirable	e fraction.		
Aluminium oxide		1344-28-1	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			
Aluminium oxid	le	1344-28-1	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.		
Aluminium oxid	le	1344-28-1	TWA : Time weighted average	10 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)
Further information	:	Form of exposure	: Total dust			
	11					

Honeywell

10000024203 rsion 1.0	Re	vision Date	07/09/2019		Print Date 12/03/20
Aluminium oxide	1344-28-1	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 : information	Form of exposure	: Total dust			
Aluminium oxide	1344-28-1	TWA : Time weighted average	5 mg/m3	03 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000)
Further : information	Form of exposure		e fraction.		
Aluminium oxide	1344-28-1	TWA : Time weighted average	15 mg/m3	03 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000)
Further : information	Form of exposure			•	
Aluminium oxide	1344-28-1	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 : information	Form of exposure	: Respirable fraction.			
CTION 9. PHYSICA	AL AND CHEMICAL	PROPERT	IES		
Physical state	: pas	te			
Color	: grey	y			
Odor	: sligl	ht			
Odor threshold : Note: no data available					
pH : Note: Not applicable					
Freezing point	: Not	e: no data a	vailable		
		Page 6	/ 11		

Honeywell

00000024203

U00000024203 Version 1.0	Revision Date 07/09/2019	Print Data 12/02/2010
Version 1.0	Revision Date 07/09/2019	Print Date 12/03/2019
Boiling point/boiling range	: Note: no data available	
Flash point	: Note: Not applicable	
Evaporation rate	: Note: no data available	
Lower explosion limit	: Note: Not applicable	
Upper explosion limit	: Note: no data available	
Vapor pressure	: Note: no data available	
Vapor density	: Note: no data available	
Density	: at 20 °C Note: no data available	
Water solubility	: Note: no data available	
Partition coefficient: n- octanol/water	: Note: no data available	
Ignition temperature	: Note: no data available	
Decomposition temperature	: Note: no data available	
Viscosity, dynamic	: Note: no data available	
Viscosity, kinematic	: Note: no data available	

Page 7 / 11

00000024203

Version 1.0

Revision Date 07/09/2019

Print Date 12/03/2019

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: No information available.
Incompatible materials	: Strong oxidizing agents Strong acids
Hazardous decomposition products	 In case of fire hazardous decomposition products may be produced such as: Aluminum oxides carbon oxides (CO, CO2).

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: Note: no data available	
Acute inhalation toxicity	: Note: no data available	
Acute dermal toxicity	: Note: no data available	
Skin irritation	: Note: no data available	
Eye irritation	: Note: no data available	
Sensitisation	: Note: no data available	
Further information	: Note: No toxicology information is available.	
	Page 8 / 11	

000000024203 Version 1.0

Revision Date 07/09/2019

Print Date 12/03/2019

SEC	TION 12. E	COLOGICAL INFO	RMATION
	Ecotoxicit	y effects	
	Toxicity to	fish	: Note: no data available
	Toxicity to aquatic inv	•	: Note: no data available
	Toxicity to	algae	: Note: no data available
	Further inf	formation on ecolog	JY
	Additional of information		: We have no quantitative data concerning the ecological effects of this product.
SEC	TION 13. D	DISPOSAL CONSIDE	RATIONS
	Disposal methods		: Observe all Federal, State, and Local Environmental regulations.
SEC	TION 14. T	RANSPORT INFOR	ΜΑΤΙΟΝ
	DOT	Not dangerous goo	ds
	TDG	Not dangerous goo	ds
	ΙΑΤΑ	Not dangerous goo	ds
	IMDG	Not dangerous goo	ds
SEC	TION 15. R	EGULATORY INFO	RMATION
	Inventorie	S	
	US. Toxic S Control Act		Not On TSCA Inventory
			Page 9 / 11

Honeywell

000024203			
ion 1.0		Revision Date 07/09/2019	Print Date 12/03/2
Australia. Industrial Chemical (Notification and Assessment) Act	: ١	Not in compliance with the inventory	
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	: ٢	Not in compliance with the inventory	
Japan. Kashin-Hou Law List	: 1	Not in compliance with the inventory	
Korea. Existing Chemicals Inventory (KECI)	: 1	Not in compliance with the inventory	
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	: ٢	Not in compliance with the inventory	
China. Inventory of Existing Chemical Substances (IECSC)	: ١	Not in compliance with the inventory	
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand	: 1	Not in compliance with the inventory	
	: N	Modified organopolysiloxane	
National regulatory informa	ation		
TSCA	F	This material must be used in complian Research and Development Exemption 720.36).	
	:		
SARA 302 Components		No chemicals in this material are subject equirements of SARA Title III, Section	
SARA 313 Components	e	The following components are subject t established by SARA Title III, Section 3 Aluminium oxide 13	
SARA 311/312 Hazards	: 4	Acute Health Hazard	
		Page 10 / 11	

Honeywell

00000024203

00000024203			
Version 1.0	Revision Date 07/09/20	D19 Print Date 12/03/2019	
California Prop. 65		This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other	
Massachusetts RTK	: Aluminium oxide	1344-28-1	
New Jersey RTK	: Aluminium oxide	1344-28-1	
Pennsylvania RTK	: Aluminium oxide	1344-28-1	
SECTION 16. OTHER INFOR	MATION HMIS III NFPA : 1 1		

	HMISIII	NFPA
Health hazard	: 1	1
Flammability	: 1	1
Physical Hazard	: 0	
Instability	:	0

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other 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.

Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group