Honeywell

Genetron® 407C

143521 sion 2.9	Revision Date 05/09/2019	Print Date 03/16/2
CTION 1. IDENTIFICATION		
Product name	: Genetron® 407C	
Troduct name		
Number	: 00000009894	
Product Use Description	: Refrigerant	
Manufacturer or supplier's details	: HONEYWELL MIDDLE EAST FZE 18530 Jebel Ali	
	Dubai,	
For more information call	: 800-522-8001 +1-973-455-6300(Monday-Friday, 9:0	0am-5:00pm)
In case of emergency call	Medical: 1-800-498-5701 or +1-303- Transportation (CHEMTREC): 1-80	
	+1-703-527-3887	
	: : (24 hours/day, 7 days/week)	
Emergency Overview	. Linux field and	
Form	: Liquefied gas	
Color	: colourless	
Odor	: slight	
	ance or mixture	
Classification of the subst		
	ce : Gases under pressure, Liquefied ga Simple Asphyxiant	IS
Classification of the substand or mixture	ce : Gases under pressure, Liquefied ga	IS
Classification of the substand or mixture	ce : Gases under pressure, Liquefied ga Simple Asphyxiant	IS
Classification of the substand or mixture	ce : Gases under pressure, Liquefied ga Simple Asphyxiant	IS

rsion 2.9 Revision Date 05/09/2019 Print Date 03/16 Symbol(s) :	AFETY DATA SHEET			Honeywell
Symbol(s) :	netron® 407C			
rrsion 2.9 Revision Date 05/09/2019 Print Date 03/16 Symbol(s) :	143521			
Signal word if Warning Hazard statements if Contains gas under pressure; may explode if heated. May displace oxygen and cause rapid suffocation. Precautionary statements if Contains gas under pressure; may explode if heated. May displace oxygen and cause rapid suffocation. Precautionary statements if Contains gas under pressure; may explode if heated. May displace oxygen and cause rapid suffocation. Hazards not otherwise if Storage May cause cardiac arrhythmia. May cause frostbite. May cause eye and skin irritation. Classified if May cause eye and skin irritation. No component of this product present at levels greater than or equal to 0.1% is identified as a kr anticipated carcinogen by NTP, IARC, or OSHA. ECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS Chemical nature if Mixture Phentical nature if Mixture Pentafluoroethane 354-33-6 25.00 %		Revision Date 0	5/09/2019	Print Date 03/16/20
Hazard statements : Contains gas under pressure; may explode if heated. May displace oxygen and cause rapid suffocation. Precautionary statements : Storage: Protect from sunlight. Store in a well-ventilated place. Hazards not otherwise classified : May cause cardiac arrhythmia. May cause frostbite. May cause eye and skin irritation. Carcinogenicity No component of this product present at levels greater than or equal to 0.1% is identified as a kr anticipated carcinogen by NTP, IARC, or OSHA. ECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS Chemical nature : Mixture 1,1,1,2-Tetrafluoroethane 811-97-2 52.00 % Pentafluoroethane 354-33-6 25.00 % Difluoromethane 75-10-5 23.00 %	Symbol(s)			
May displace oxygen and cause rapid suffocation. Precautionary statements : Storage: Protect from sunlight. Store in a well-ventilated place. Hazards not otherwise classified : May cause cardiac arrhythmia. May cause frostbite. May cause eye and skin irritation. Carcinogenicity No component of this product present at levels greater than or equal to 0.1% is identified as a kr anticipated carcinogen by NTP, IARC, or OSHA. ECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS Chemical nature : Mixture 1,1,1,2-Tetrafluoroethane 811-97-2 52.00 % Pentafluoroethane 354-33-6 25.00 % Difluoromethane 75-10-5 23.00 %	Signal word	: Warning		
Hazards not otherwise classified May cause cardiac arrhythmia. May cause frostbite. May cause eye and skin irritation. Carcinogenicity No component of this product present at levels greater than or equal to 0.1% is identified as a kr anticipated carcinogen by NTP, IARC, or OSHA. ECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS Chemical nature : Mixture 1,1,1,2-Tetrafluoroethane 811-97-2 52.00 % Pentafluoroethane 354-33-6 25.00 % Difluoromethane 75-10-5 23.00 %	Hazard statements			
classified May cause frostbite. May cause eye and skin irritation. Carcinogenicity No component of this product present at levels greater than or equal to 0.1% is identified as a kranticipated carcinogen by NTP, IARC, or OSHA. ECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS ECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS Chemical nature : Mixture 1,1,1,2-Tetrafluoroethane 811-97-2 52.00 % Pentafluoroethane 354-33-6 25.00 % Difluoromethane 75-10-5 23.00 %	Precautionary statements		nlight. Store in a well-v	rentilated place.
No component of this product present at levels greater than or equal to 0.1% is identified as a knaticipated carcinogen by NTP, IARC, or OSHA. ECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS Chemical nature : Mixture Chemical name CAS-No. Concentration 1,1,1,2-Tetrafluoroethane 811-97-2 52.00 % Pentafluoroethane 354-33-6 25.00 % Difluoromethane 75-10-5 23.00 %		May cause frost	bite.	
Chemical nameCAS-No.Concentration1,1,1,2-Tetrafluoroethane811-97-252.00 %Pentafluoroethane354-33-625.00 %Difluoromethane75-10-523.00 %	CTION 3. COMPOSITION/INFO	RMATION ON INGR	EDIENTS	
1,1,1,2-Tetrafluoroethane 811-97-2 52.00 % Pentafluoroethane 354-33-6 25.00 % Difluoromethane 75-10-5 23.00 %				Concentration
Difluoromethane 75-10-5 23.00 %				
	Pentafluoroethane		354-33-6	25.00 %
ECTION 4. FIRST AID MEASURES	Difluoromethane		75-10-5	23.00 %
Page 2 / 16	TION 4. FIRST AID MEASURE	ES		
	TION 4. FIRST AID MEASURE		16	

Honeywell

Genetron® 407C

area. Take ofInhalation:Move to fresh artificial respi qualified oper from adrenaliSkin contact:After contact there is evide (not hot) wate cloth or similaEye contact:Rinse immed for at least 15 lukewarm, noIngestion:Unlikely route inhalation sec advice. Call aNotes to physician:Indication of immediate medical attention and special treatment needed, if necessary:Because of th catecholamin special caution Treatment of symptoms an needed.TION 5. FIREFIGHTING MEASURESSuitable extinguishing media:The product ASHRAE 34	eeds to protect himself. Move out of dangerous off all contaminated clothing immediately. h air. If breathing is irregular or stopped, administer piration. Use oxygen as required, provided a erator is present. Call a physician. Do not give drugs line-ephedrine group. t with skin, wash immediately with plenty of water. If ence of frostbite, bathe (do not rub) with lukewarm ter. If water is not available, cover with a clean, soft lar covering. If symptoms persist, call a physician.
Skin contact : After contact Skin contact : After contact there is evide (not hot) wate cloth or simila cloth or simila Eye contact : Rinse immed for at least 15 lukewarm, not Ingestion : Unlikely route Indication of immediate : Because of th medical attention and : Because of th special treatment needed, if : Because of th necessary : Treatment of symptoms an : Reeded.	biration. Use oxygen as required, provided a erator is present. Call a physician. Do not give drugs line-ephedrine group. It with skin, wash immediately with plenty of water. If ence of frostbite, bathe (do not rub) with lukewarm ter. If water is not available, cover with a clean, soft
Eye contact : Rinse immed for at least 15 lukewarm, no Ingestion : Unlikely route inhalation sed advice. Call a Notes to physician : Because of th catecholamin special treatment needed, if necessary TION 5. FIREFIGHTING MEASURES Suitable extinguishing media : The product ASHRAE 34 Use water special	ence of frostbite, bathe (do not rub) with lukewarm ter. If water is not available, cover with a clean, soft
Ingestion : Unlikely route inhalation see advice. Call a Notes to physician : Because of the catecholamin special attention and special treatment needed, if necessary TION 5. FIREFIGHTING MEASURES Suitable extinguishing media : The product ASHRAE 34 Use water special care contents and spe	
inhalation see advice. Call a Notes to physician Indication of immediate medical attention and special treatment needed, if necessary Treatment of symptoms an needed. TION 5. FIREFIGHTING MEASURES Suitable extinguishing media Suitable extinguishing media	diately with plenty of water, also under the eyelids, 5 minutes. In case of frostbite water should be ot hot. If symptoms persist, call a physician.
Indication of immediate medical attention and special treatment needed, if necessary Treatment of symptoms an needed. TION 5. FIREFIGHTING MEASURES Suitable extinguishing media Suitable extinguishing media Suitable extinguishing media	e of exposure. As this product is a gas, refer to the action. Do not induce vomiting without medical a physician immediately.
medical attention and special treatment needed, if necessary Treatment of symptoms an needed. TION 5. FIREFIGHTING MEASURES Suitable extinguishing media Suitable extinguishing media Suitable extinguishing media Suitable extinguishing media	
Suitable extinguishing media : The product ASHRAE 34 Use water s	the possible disturbances of cardiac rhythm, ne drugs, such as epinephrine, should be used with on and only in situations of emergency life support. f overexposure should be directed at the control of nd the clinical conditions. Treat frost-bitten areas as
ASHRAE 34 Use water s	
	spray, alcohol-resistant foam, dry chemical or
firefighting This product atmospheric However, th pressure and	nis material can ignite when mixed with air under and exposed to strong ignition sources.
Pag	nay rupture on heating.

Honeywell

Genetron® 407C

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rsion 2.9		Devision Data 05/00/0040	
		Revision Date 05/09/2019	Print Date 03/16/20
		Cool closed containers exposed to fin Do not allow run-off from fire fighting courses. Vapours are heavier than air and car reducing oxygen available for breath Fire may cause evolution of: Hydrogen fluoride Carbon oxides Halogenated compounds Carbonyl halides Gaseous hydrogen chloride (HCI).	to enter drains or water
Special protective equipment for firefighters	t :	Wear full protective clothing and self- apparatus.	-contained breathing
Further information	:	Use extinguishing measures that are circumstances and the surrounding e	
protective equipment and emergency procedures		Keep people away from and upwind o Wear personal protective equipment.	
protective equipment and emergency procedures		Wear personal protective equipment. must be kept away. Remove all sources of ignition. Avoid skin contact with leaking liquid (Ventilate the area. After release, disperses into the air. Vapours are heavier than air and can reducing oxygen available for breathir Avoid accumulation of vapours in low Unprotected personnel should not retu tested and determined safe.	of spill/leak. Unprotected persons (danger of frostbite). cause suffocation by ng. areas. urn until air has been
	:	Wear personal protective equipment. must be kept away. Remove all sources of ignition. Avoid skin contact with leaking liquid (Ventilate the area. After release, disperses into the air. Vapours are heavier than air and can reducing oxygen available for breathir Avoid accumulation of vapours in low Unprotected personnel should not return	of spill/leak. Unprotected persons (danger of frostbite). cause suffocation by ng. areas. urn until air has been 19.5%.
emergency procedures	:	Wear personal protective equipment. must be kept away. Remove all sources of ignition. Avoid skin contact with leaking liquid (Ventilate the area. After release, disperses into the air. Vapours are heavier than air and can reducing oxygen available for breathir Avoid accumulation of vapours in low Unprotected personnel should not retu- tested and determined safe. Ensure that the oxygen content is >= Prevent further leakage or spillage if s	of spill/leak. Unprotected persons (danger of frostbite). cause suffocation by ng. areas. urn until air has been 19.5%.

Honeywell

Genetron® 407C

10143521

Version 2.9

Revision Date 05/09/2019

Print Date 03/16/2022

Handling		
Precautions for safe handling	:	 Handle with care. Avoid inhalation of vapour or mist. Do not get on skin or clothing. Wear personal protective equipment. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Follow all standard safety precautions for handling and use of compressed gas cylinders. Use authorized cylinders only. Protect cylinders from physical damage. Do not puncture or drop cylinders, expose them to open flame or excessive heat. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Do not remove screw cap until immediately ready for use. Always replace cap after use.
Advice on protection against fire and explosion	:	The product is not flammable. Can form a combustible mixture with air at pressures above atmospheric pressure.
Storage		
Conditions for safe storage, including any incompatibilities	:	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Keep containers tightly closed in a dry, cool and well-ventilated place. Storage rooms must be properly ventilated. Ensure adequate ventilation, especially in confined areas. Protect cylinders from physical damage.
TION 8. EXPOSURE CONTR	ROL	S/PERSONAL PROTECTION
Protective measures	:	Do not breathe vapour. Do not get in eyes, on skin, or on clothing. Ensure that eyewash stations and safety showers are close to
		Page 5 / 16

Honeywell

Genetron® 407C

10143521

10143521			
Version 2.9		Revision Date 05/09/2019	Print Date 03/16/2022
Engineering measures	:	the workstation location. General room ventilation is adequate fo Perform filling operations only at station ventilation facilities.	
Eye protection	:	Wear as appropriate: Safety glasses with side-shields If splashes are likely to occur, wear: Goggles or face shield, giving complete	protection to eyes
Hand protection	:	Leather gloves In case of contact through splashing: Protective gloves Neoprene gloves Polyvinyl alcohol or nitrile- butyl-rubber	gloves
Skin and body protection	:	Avoid skin contact with leaking liquid (da Wear cold insulating gloves/ face shield	
Respiratory protection	:	In case of insufficient ventilation wear service equipment. Wear a positive-pressure supplied-air revealed vapours are heavier than air and can car reducing oxygen available for breathing For rescue and maintenance work in store self-contained breathing apparatus.	espirator. ause suffocation by
Hygiene measures	:	Handle in accordance with good industr practice. Ensure adequate ventilation, especially Do not get in eyes, on skin, or on clothir Remove and wash contaminated clothir Keep working clothes separately.	in confined areas.

Exposure Guidelines

Components	CAS-No.	Value	Control parameters	Upda te	Basis
1,1,1,2-Tetrafluor oethane	811-97-2	TWA : Time weighted average	(1,000 ppm)		Honeywell:Limit established by Honeywell International Inc.

Page 6 / 16

Honeywell

Genetron® 407C

ion 2.9		Revision Date	05/09/2019		Print Date 03/16/2
1,1,1,2-Tetrafluor oethane	811-97-2	TWA : Time weighted average	4,240 mg/m3 (1,000 ppm)	2007	WEEL:US. OARS. WEELs Workplace Environmental Exposure Level Guide
1,1,1,2-Tetrafluor oethane	811-97-2	TWA : Time weighted average	4,240 mg/m3 (1,000 ppm)	2007	WEEL:US. OARS. WEELs Workplace Environmental Exposure Level Guide
Pentafluoroethan e	354-33-6	TWA : Time weighted average	4,900 mg/m3 (1,000 ppm)	2007	WEEL:US. OARS. WEELs Workplace Environmental Exposure Level Guide
Pentafluoroethan e	354-33-6	TWA : Time weighted average	(1,000 ppm)		Honeywell:Limit established by Honeywell International Inc.
Difluoromethane	75-10-5	TWA : Time weighted average	2,200 mg/m3 (1,000 ppm)	2007	WEEL:US. OARS. WEELs Workplace Environmental Exposure Level Guide
Difluoromethane	75-10-5	TWA : Time weighted average	(1,000 ppm)	1994	Honeywell:Limit established by Honeywell International Inc.
TION 9. PHYSICAL	AND CHEMIC	AL PROPERT	IES	-	
Physical state	: L	iquefied gas			
		Page 7	/ 16		

Honeywell

Genetron® 407C

10143521		
Version 2.9	Revision Date 05/09/2019	Print Date 03/16/2022
Color	: colourless	
Odor	: slight	
Odor threshold	: Note: no data available	
рН	: Note: neutral	
Melting point/range	: Note: no data available	
Boiling point/boiling range	: -43.9 °C	
Flash point	: Note: Not applicable	
Evaporation rate	: > 1 Method: Compared to CCl4.	
Lower explosion limit	: Note: None	
Upper explosion limit	: Note: None	
Vapor pressure	: 10,769 hPa at 21.1 °C(70.0 °F) 24,593 hPa at 54.4 °C(129.9 °F)	
Vapor density	: 3 Note: (Air = 1.0)	
Density	: 1.16 g/cm3 at 21.1 °C	
Water solubility	: 1.5 g/l	
	Page 8 / 16	

Honeywell

Genetron® 407C

10143521

10143521		
Version 2.9	Revision Date 05/09/2019	Print Date 03/16/2022
Partition coefficient: n-octanol/water	 log Pow: 1.06 Test substance: 1,1,1,2-tetrafluoroet log Pow: 1.48 Test substance: Ethane, pentafluoro 	
Ignition temperature	: Note: not determined	
Decomposition temperature	: > 250 °C	
Viscosity, dynamic	: Note: no data available	
Viscosity, kinematic	: Note: no data available	
SECTION 10. STABILITY AND R	ΕΔΟΤΙΜΙΤΥ	
SECTION 10. STABLETT AND R	LACINIT	
Reactivity	: Not classified as a reactivity hazard.	
Chemical stability	: Stable under normal conditions.	
Possibility of hazardous reactions	: Hazardous polymerisation does not	occur.

 Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Decomposes under high temperature. Some risk may be expected of corrosive and toxic decomposition products. Can form a combustible mixture with air at pressures above atmospheric pressure. Do not mix with oxygen or air above atmospheric pressure.
: Oxidizing agents Finely divided metal powders such as aluminum, magnesium, or zinc.
 Halogenated compounds Hydrogen fluoride Carbonyl halides Carbon oxides Gaseous hydrogen chloride (HCI).

Page 9 / 16

	Honeywell
Revision Date 05/09/2019	Print Date 03/16/2022
NFORMATION	
: LC50: > 500000 ppm Exposure time: 4 h Species: Rat	
: > 769000 ppm Exposure time: 4 h Species: Rat	
: LC50: > 520000 ppm Exposure time: 4 h Species: Rat	
: Note: no data available	
: Cardiac sensitization Species: dogs Note: No-observed-effect level 50 000 ppm Lowest observed effect level 75 000 ppm	
 Cardiac sensitization Species: dogs Note: No-observed-effect level 75 000 ppm Lowest observed effect level 100 000 ppm 	
: Cardiac sensitization Species: dogs Note: No-observed-effect level >350 000 ppm	
Page 10 / 16	
	 : LC50: > 500000 ppm Exposure time: 4 h Species: Rat : > 769000 ppm Exposure time: 4 h Species: Rat : LC50: > 520000 ppm Exposure time: 4 h Species: Rat : Note: no data available : Cardiac sensitization Species: dogs Note: No-observed-effect level 50 000 ppm Lowest observed effect level 75 000 ppm : Cardiac sensitization Species: dogs Note: No-observed-effect level 75 000 ppm Lowest observed effect level 75 000 ppm : Cardiac sensitization Species: dogs Note: No-observed-effect level 75 000 ppm : Cardiac sensitization Species: dogs Note: No-observed effect level 100 000 ppm : Cardiac sensitization Species: dogs Note: No-observed-effect level 350 000 ppm

Honeywell

Genetron® 407C

10143521			
Version 2.9	Revisio	n Date 05/09/2019	Print Date 03/16/2022
Repeated dose toxicity 1,1,1,2-Tetrafluoroethane	: Species NOEL:	: Rat 40000 ppm	
Pentafluoroethane	Exposur NOEL:	: Rat ion Route: Inhalation e time: (4 Weeks) 50000 ppm nic toxicity	
Difluoromethane	Exposur NOEL:	: Rat ion Route: Inhalation e time: (90 d) 50000 ppm nic toxicity	
Genotoxicity in vitro 1,1,1,2-Tetrafluoroethane	: Note: In	vitro tests did not show muta	agenic effects.
Pentafluoroethane		thod: Ames test negative	
Difluoromethane		thod: Ames test negative	
		e: Human lymphocytes negative	
	: Cell type Result:	e: Chinese Hamster Ovary Conegative	ells
	Result:	e: Human lymphocytes negative Mutagenicity (in vitro mamm	nalian cytogenetic test)
		thod: Chromosome aberratic negative	on test in vitro
Genotoxicity in vivo Difluoromethane	Method: Result:	e: Bone marrow Mutagenicity (micronucleus negative	test)
		Page 11 / 16	

Honeywell

Genetron® 407C

10143521		
Version 2.9	Revision Date 05/09/2019	Print Date 03/16/2022
Teratogenicity Pentafluoroethane	 Species: Rabbit Application Route: Inhalation expos NOAEL,Teratog: 50,000 ppm NOAEL,Maternal: 50,000 ppm Note: Did not show teratogenic effer Species: Rat Application Route: Inhalation expos NOAEL,Teratog: 50,000 ppm 	cts in animal experiments.
	NOAEL,Maternal: 50,000 ppm Note: Did not show teratogenic effe	cts in animal experiments.
Difluoromethane	: Species: Rat Dose: NOEL - 50,000 ppm Note: Did not show teratogenic effe	cts in animal experiments.
	Species: Rabbit Dose: NOEL - 50,000 ppm Note: Did not show teratogenic effe	cts in animal experiments.
Further information	: Acute toxicity Difluoromethane. (HF sensitisation threshold (dog): 35000 pentafluoro- (HFC-125): Cardiac se 75000 ppm. 1,1,1,2-tetrafluoroethar sensitisation threshold (dog): 80000 than air and can cause suffocation b available for breathing. Irritating to e evaporation of the liquid may cause contact with leaking liquid (danger o cardiac arrhythmia.	0 ppm. Ethane, nsitisation threshold (dog): ne (HFC-134a): Cardiac 9 ppm. Vapours are heavier by reducing oxygen eyes and skin. Rapid frostbite. Avoid skin
SECTION 12. ECOLOGICAL INFO	PRMATION	
Ecotoxicity effects		
Toxicity to daphnia and other aquatic invertebrates	: Note: no data available	
	Page 12 / 16	

SAFETY [DATA SHEET			Honeywell	
enetron	3 407C				
0143521					
ersion 2.9		Revis	sion Date 05/09/2019	Print Date 03/16/202	
Biodegrad Pentafluor		Value	t: Not readily biodegradable. : 5 % vd: OECD 301 D		
Difluorome	ethane	: Note:	Minimal		
Further in	formation on ecol	ogy			
Additional information		Ageno This p to glot	roduct is subject to U.S. Envir cy Clean Air Act Regulations at roduct contains greenhouse g oal warming. Do NOT vent to t rovisions of the U.S. Clean Air ered.	t 40 CFR Part 82. ases which may contribute he atmosphere. To comply	
Note : Thi Cle		regula : This p Clear	Observe all Federal, State, and Local Environmental regulations. This product is subject to U.S. Environmental Protection Agency Clean Air Act Regulations Section 608 in 40 CFR Part 82 regarding refrigerant recycling.		
ECTION 14. 1	RANSPORT INFO	RMATION			
DOT	UN/ID No. Proper shipping n Class Packing group Hazard Labels	ame	: UN 3340 : REFRIGERANT GAS R 2.2 2.2	407C	
ΙΑΤΑ	UN/ID No. Description of the Class Hazard Labels Packing instructio aircraft)	-	: UN 3340 : REFRIGERANT GAS R 4 : 2.2 : 2.2 : 200	407C	
			Page 13 / 16		

Honeywell

Genetron® 407C

Packing instruction (passenger aircraft): 200IMDGUN/ID No. Description of the goods Class Hazard Labels EmS Number Marine pollutant: UN 3340 : REFRIGERANT GAS R 407C 2.2 Enc, S-V Norder mo	10143521				
IMDG UN/ID No. :: UN 3340 Description of the goods :: REFRIGERANT GAS R 407C Class :: 2.2 Hazard Labels :: 2.2 EmS Number : 0.1 Stationard : On TSCA Inventory Control Act : On the inventory, or in compliance with the inventory Chemical (Notification and Assessment) Act : All components of this product are on the Canadian DSL Environmental Protection Act (CEPA). Domestic : On the inventory, or in compliance with the inventory Japan. Kashin-Hou	Version 2.9		Revisio	n Date 05/09/2019	Print Date 03/16/202
Description of the goods::REFRIGERANT GAS R 407C ClassClass::2.2Hazard Labels::2.2EmS Number::F-C, S-V Marine pollutantSECTION 15. REGULATORY INFORMATIONInventoriesUS, Toxic Substances:On TSCA Inventory Control ActAustralia. Industrial Chemical (Notification and Assessment) Act:On the inventory, or in compliance with the inventory Chemical (Notification and 				: 200	
US. Toxic Substances Control Act: On TSCA InventoryAustralia. Industrial Chemical (Notification and Assessment) Act: On the inventory, or in compliance with the inventoryCanada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL): All components of this product are on the Canadian DSLJapan. Kashin-Hou Law List Inventory (KECI): On the inventory, or in compliance with the inventoryPhilippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act: On the inventory, or in compliance with the inventoryChina. Inventory of Existing China. Inventory of Existing China. Inventory: On the inventory, or in compliance with the inventoryNZIOC - New Zealand: On the inventory, or in compliance with the inventory		Description of the Class Hazard Labels EmS Number	goods	: REFRIGERANT GAS : 2.2 : 2.2 : F-C, S-V	R 407C
US. Toxic Substances Control Act: On TSCA InventoryAustralia. Industrial Chemical (Notification and Assessment) Act: On the inventory, or in compliance with the inventoryCanada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL): All components of this product are on the Canadian DSLJapan. Kashin-Hou Law List Inventory (KECI): On the inventory, or in compliance with the inventoryPhilippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act: On the inventory, or in compliance with the inventoryChina. Inventory of Existing Chemical Substances: On the inventory, or in compliance with the inventoryNZIOC - New Zealand: On the inventory, or in compliance with the inventory	SECTION 15. RI	EGULATORY INF	ORMATION		
Control ActAustralia. Industrial Chemical (Notification and Assessment) Act: On the inventory, or in compliance with the inventoryCanada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL): All components of this product are on the Canadian DSLJapan. Kashin-Hou Law List Inventory (KECI): On the inventory, or in compliance with the inventoryKorea. Existing Chemicals Inventory (KECI): On the inventory, or in compliance with the inventoryPhilippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act: On the inventory, or in compliance with the inventoryChina. Inventory of Existing Chemical Substances: On the inventory, or in compliance with the inventoryNZIOC - New Zealand: On the inventory, or in compliance with the inventory	Inventories	i			
Chemical (Notification and Assessment) Act:Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL):Japan. Kashin-Hou Law List Inventory (KECI):On the inventory, or in compliance with the inventory !Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act:On the inventory, or in compliance with the inventoryCon the inventory, or in compliance with the inventoryPhilippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act:China. Inventory of Existing Chemical Substances:NZIOC - New Zealand:On the inventory, or in compliance with the inventory		ubstances	: On TSCA	Inventory	
Environmental Protection Act (CEPA). Domestic Substances List (DSL)Japan. Kashin-Hou Law List: On the inventory, or in compliance with the inventoryKorea. Existing Chemicals Inventory (KECI): On the inventory, or in compliance with the inventoryPhilippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act: On the inventory, or in compliance with the inventoryChina. Inventory of Existing Chemical Substances: On the inventory, or in compliance with the inventoryNZIOC - New Zealand: On the inventory, or in compliance with the inventory	Chemical (N	lotification and	: On the inv	ventory, or in compliance	with the inventory
 Korea. Existing Chemicals Inventory (KECI) Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act China. Inventory of Existing Chemical Substances NZIOC - New Zealand Con the inventory, or in compliance with the inventory Con the inventory, or in compliance with the inventory 	Environmen Act (CEPA)	tal Protection Domestic	: All compo	onents of this product are o	on the Canadian DSL
Inventory (KEČI)Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act: On the inventory, or in compliance with the inventoryChina. Inventory of Existing Chemical Substances: On the inventory, or in compliance with the inventoryNZIOC - New Zealand: On the inventory, or in compliance with the inventory	Japan. Kasł	nin-Hou Law List	: On the inv	ventory, or in compliance	with the inventory
Substances and Hazardous and Nuclear Waste Control Act. On the inventory, or in compliance with the inventory Chemical SubstancesNZIOC - New Zealand: On the inventory, or in compliance with the inventory			: On the inv	ventory, or in compliance	with the inventory
Chemical Substances NZIOC - New Zealand : On the inventory, or in compliance with the inventory	Substances and Nuclear	and Hazardous	: On the inv	ventory, or in compliance v	with the inventory
			: On the inv	ventory, or in compliance	with the inventory
National regulatory information	NZIOC - Ne	w Zealand	: On the inv	ventory, or in compliance	with the inventory
	National re	gulatory informa	tion		
Page 14 / 16				Page 14 / 16	
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Honeywell

Genetron® 407C

10143521

10143521				
Version 2.9	Revision Date 05/09/2019	Print Date 03/16/2022		
SARA 302 Components	: No chemicals in this material are subje requirements of SARA Title III, Section			
SARA 313 Components	known CAS numbers that exceed the t	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.		
SARA 311/312 Hazards	Acute Health Hazard Sudden Release of Pressure Hazard Sudden Release of Pressure Hazard			
California Prop. 65		ornia to cause cancer and		
Massachusetts RTK	: Dichloromethane 75	5-09-2		
New Jersey RTK	: Difluoromethane 75	5-10-5		
Pennsylvania RTK	: Difluoromethane 75	5-10-5		

SECTION 16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard	: 1	2
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

Page 15 / 16

Honeywell

Genetron® 407C

10143521

Version 2.9

Revision Date 05/09/2019

Print Date 03/16/2022

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.

Previous Issue Date: 08/08/2018

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Page 16 / 16