Honeywell

Genetron® 22

| rsion 1.6 | | Revision Date 02/14/2013 | Print Date 03/17/2 |
|--|------|--|---|
| | | | |
| CTION 1. PRODUCT AND CO | MP | ANY IDENTIFICATION | |
| | | | |
| Product name | : | Genetron® 22 | |
| MSDS Number | : | 00000009890 | |
| Product Use Description | : | Refrigerant | |
| Company | : | Honeywell International Inc. 101 Columbia Road Morristown, NJ 07962-1057 | |
| For more information call | : | 800-522-8001 +1-973-455-6300 (Monday-Friday, 9:00am-5:00pm) | |
| In case of emergency call | : | Medical: 1-800-498-5701 or +1-303-389 Transportation (CHEMTREC): 1-800-42 527-3887 | |
| | : | (24 hours/day, 7 days/week) | |
| | | | |
| | | | |
| CTION 2. HAZARDS IDENTIF | ICA | | |
| CTION 2. HAZARDS IDENTIF Emergency Overview | FICA | | |
| | - | | |
| Emergency Overview | - | TION | |
| Emergency Overview Form | | TION : Liquefied gas | |
| Emergency Overview Form Color | | TION : Liquefied gas : colourless | d atmospheric e for breathing. ions. The victim will halation may cause use cardiac dizziness. Do not kin. Avoid contact with |

Honeywell SAFETY DATA SHEET Genetron® 22 00000009890 Version 1.6 Revision Date 02/14/2013 Print Date 03/17/2015 decomposition products may include hydrochloric acid (HCI), hydrofluoric acid (HF) and carbonyl halides. The ACGIH Threshold Limit Values (2007) for Hydrogen Fluoride are TLV-TWA 0.5 ppm and Ceiling Exposure Limit 2 ppm. **Potential Health Effects** Skin : Avoid skin contact with leaking liquid (danger of frostbite). May cause frostbite. Irritating to skin. Eyes : Causes serious eye irritation. May cause frostbite. Ingestion : Unlikely route of exposure. Effects due to ingestion may include: Gastrointestinal discomfort Inhalation : Gas reduces oxygen available for breathing. Causes asphyxiation in high concentrations. The victim will not realize that he/she is suffocating. Inhalation may cause central nervous system effects. May cause cardiac arrhythmia. Vapours may cause drowsiness and dizziness. Chronic Exposure : None known. 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 : CHCIF2 Formula Chemical nature : Substance Chemical Name CAS-No. Concentration Chlorodifluoromethane 75-45-6 100.00 % Page 2 / 15

Honeywell

Genetron® 22

00000009890

Version 1.6

Revision Date 02/14/2013

Print Date 03/17/2015

| TION 4. FIRST AID MEASUR | RES | |
|------------------------------|-----|--|
| Inhalation | : | Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Use oxygen as required, provided a qualified operator is present. Call a physician. Do not give drugs from adrenaline-ephedrine group. |
| Skin contact | : | After contact with skin, wash immediately with plenty of water. If there is evidence of frostbite, bathe (do not rub) with lukewarm (not hot) water. If water is not available, cover with a clean, soft cloth or similar covering. If symptoms persist, call a physician. |
| Eye contact | : | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In case of frostbite water should be lukewarm, not hot. If symptoms persist, call a physician. |
| Ingestion | : | Unlikely route of exposure. As this product is a gas, refer to the inhalation section. Do not induce vomiting without medical advice. Call a physician immediately. |
| Notes to physician | | |
| Treatment | : | Because of the possible disturbances of cardiac rhythm, catecholamine drugs, such as epinephrine, should be used with special caution and only in situations of emergency life support. Treatment of overexposure should be directed at the control of symptoms and the clinical conditions. Treat frost- bitten areas as needed. |
| TION 5. FIREFIGHTING MEA | su | IRES |
| Suitable extinguishing media | : | The product is not flammable. ASHRAE 34 Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| | | Page 3 / 15 |
| | | Page 3 / 15 |

Honeywell

Genetron® 22

| rsion 1.6 | Revision Date 02/14/2013 | Print Date 03/17/20 |
|--|--|--|
| | | |
| | | |
| Specific hazards during firefighting | Contents under pressure. This product is not flammable at am atmospheric pressure. However, this material can ignite wh pressure and exposed to strong ign | nen mixed with air under |
| | Container may rupture on heating. Cool closed containers exposed to the Do not allow run-off from fire fighting courses. | fire with water spray. |
| | Vapours are heavier than air and ca reducing oxygen available for breat In case of fire hazardous decompos produced such as: | hing. |
| | Gaseous hydrogen chloride (HCl). Hydrogen fluoride Carbon monoxide | |
| | Carbon dioxide (CO2) Carbonyl halides | |
| | 2 | |
| Special protective equipment for firefighters | | ratus and protective suit. |
| | In the event of fire and/or explosion Wear self-contained breathing appa No unprotected exposed skin areas EASE MEASURES Immediately evacuate personnel to s Keep people away from and upwind Wear personal protective equipment | aratus and protective suit. safe areas. of spill/leak. |
| for firefighters | In the event of fire and/or explosion Wear self-contained breathing appa No unprotected exposed skin areas EASE MEASURES Immediately evacuate personnel to s Keep people away from and upwind 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. | aratus and protective suit. of spill/leak. . Unprotected persons |
| for firefighters | In the event of fire and/or explosion Wear self-contained breathing appa No unprotected exposed skin areas EASE MEASURES Immediately evacuate personnel to s Keep people away from and upwind 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 car reducing oxygen available for breath Avoid accumulation of vapours in low | aratus and protective suit. |
| for firefighters | In the event of fire and/or explosion Wear self-contained breathing appa No unprotected exposed skin areas EASE MEASURES Immediately evacuate personnel to s Keep people away from and upwind 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 car reducing oxygen available for breath | aratus and protective suit. |
| for firefighters | In the event of fire and/or explosion Wear self-contained breathing appa No unprotected exposed skin areas ASE MEASURES Immediately evacuate personnel to s Keep people away from and upwind 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 car reducing oxygen available for breath Avoid accumulation of vapours in low Unprotected personnel should not re tested and determined safe. | aratus and protective suit. |

Honeywell

| vision Date 02/14/2013 Print Date 03/17/2015 |
|---|
| vision Date 02/14/2013 Print Date 03/17/2015 |
| vision Date 02/14/2013 Print Date 03/17/2015 |
| |
| |
| roduct evaporates readily. |
| ate the area. |
| |
| |
| e with care. inhalation of vapour or mist. it get in eyes, on skin, or on clothing. personal protective equipment. urized container. Protect from sunlight and do not expose peratures exceeding 50 °C. v all standard safety precautions for handling and use of ressed gas cylinders. uthorized cylinders only. ct cylinders from physical damage. it puncture or drop cylinders, expose them to open flame cessive heat. t pierce or burn, even after use. Do not spray on a naked or any incandescent material. it remove screw cap until immediately ready for use. rs replace cap after use. |
| roduct is not flammable. orm a combustible mixture with air at pressures above opheric pressure. |
| |
| urized container: protect from sunlight and do not expose operatures exceeding 50 °C. Do not pierce or burn, even use. containers tightly closed in a dry, cool and well-ventilated ge rooms must be properly ventilated. e adequate ventilation, especially in confined areas. ct cylinders from physical damage. |
| |

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Page 5 / 15

Honeywell

Genetron® 22

| Version 1.6 | ion 1.6 Revision Date 02/14/2013 Print Date 03/ | | | | | Print Date 03/17/2015 | | |
|----------------------|---|---|---|---|---|------------------------|---------------------|---|
| | | | | | | | | |
| Protective measures | 5 | : | Do not breathe vapour. Avoid contact with skin, eyes and clothing. Ensure that eyewash stations and safety showers are clo the workstation location. | | | | howers are close to | |
| Engineering measu | res | : | Perfo | General room ventilation is adequate for storage and han Perform filling operations only at stations with exhaust ventilation facilities. | | | | |
| Eye protection | | • | Safet | Wear as appropriate: Safety glasses with side-shields If splashes are likely to occur, wear: Goggles or face shield, giving complete protect | | | | otection to eyes |
| Hand protection | nd protection : | | | Leather gloves In case of contact through splashing: Protective gloves Neoprene gloves Polyvinyl alcohol or nitrile- butyl-rubber gloves | | | | |
| Skin and body prote | Skin and body protection : | | | Avoid skin contact with leaking liquid (danger of frostbite). Wear cold insulating gloves/ face shield/ eye protection. | | | | |
| Respiratory protecti | Respiratory protection : | | | oment. a positive- ours are hea cing oxygen escue and r | sufficient ventilation wear suitable respiratory tive-pressure supplied-air respirator. heavier than air and can cause suffocation by gen available for breathing. and maintenance work in storage tanks use self- reathing apparatus. | | | |
| Hygiene measures : | | | pract Ensu Avoid Rem | ice. re adequate l contact wi ove and wa | e ventilation, e th skin, eyes a | espe and o ted o | cially in clothing. | hygiene and safety confined areas. pefore re-use. |
| Exposure Guidelin | es | | | | | | | |
| Components | CAS-No. | | | Value | Control parameters | | Upda te | Basis |
| | | | | | | | | |
| | | | | Page 6 | / 15 | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Honeywell

Genetron® 22

| ion 1.6 | | Revision Date | 02/14/2013 | | Print Date 03/17/2 |
|---------------------------|---------|--|----------------------------|------------|---|
| | | | | | |
| Chlorodifluoromet hane | 75-45-6 | TWA : time weighted average | 3,500 mg/m3 (1,000 ppm) | 07 2009 | CAD AB OEL:Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) |
| Chlorodifluoromet hane | 75-45-6 | STEL : Short term exposure limit | (1,250 ppm) | 07 2007 | CAD BC OEL:Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) |
| Chlorodifluoromet hane | 75-45-6 | TWA : time weighted average | (500 ppm) | 07 2007 | CAD BC OEL:Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) |
| Chlorodifluoromet hane | 75-45-6 | TWA : time weighted average | (1,000 ppm) | 03 2011 | CAD MB OEL:Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) |
| | | Page 7 | / 15 | - I | <u>+</u> |

Honeywell

Genetron® 22

| | | Revision Date | : 02/14/2013 | | Print Date 03/17/2 |
|---------------------------|---------|--|--------------|------------|---|
| | | | | | |
| Chlorodifluoromet hane | 75-45-6 | STEV : Short Term Exposure Limit (STEV): | (1,250 ppm) | 07 2010 | CAD ON OEL:Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) |
| Chlorodifluoromet hane | 75-45-6 | TWA : time weighted average | (1,000 ppm) | 07 2010 | CAD ON OEL:Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) |
| Chlorodifluoromet hane | 75-45-6 | 15 MIN ACL : 15 minute average contamin ation limit: | (1,250 ppm) | 05 2009 | CAD SK OEL:Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) |
| Chlorodifluoromet hane | 75-45-6 | 8 HR ACL : 8 hour average contamin ation limit: | (1,000 ppm) | 05 2009 | CAD SK OEL:Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) |
| | | ation | | | |
| | | | | | |

Honeywell

Genetron® 22

00000009890

Version 1.6

Revision Date 02/14/2013

Print Date 03/17/2015

| Chlorodifluoromet | 75-45-6 | TWA : | 3,540 mg/m3 | 12 | OEL |
|-------------------|---------|-----------------------------|-------------|------|--|
| hane | | time weighted average | (1,000 ppm) | 2008 | (QUE):Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| Physical state | : Liquefied gas |
|------------------------------|-----------------|
| Color | : colourless |
| Odor | : slight |
| рН | : Note: neutral |
| Melting point/freezing point | : -160 °C |
| Boiling point/boiling range | : -40.8 °C |

Flash point : Note: not applicable

| Lower explosion limit | : Note: None |
|-----------------------|--------------|
| Upper explosion limit | : Note: None |

Vapor pressure : 9,384 hPa at 21.1 °C(70.0 °F) 21,470 hPa at 54.4 °C(129.9 °F)

Vapor density : 3 Note: (Air = 1.0)

| D | 0 | 1 | 1 5 |
|----------|---|---|-----|
| Page | Э | 1 | 15 |

Honeywell

Genetron® 22

00000009890

| 0000009890 | | |
|--|---|------------------------|
| ersion 1.6 | Revision Date 02/14/2013 | Print Date 03/17/20 |
| | | |
| | | |
| Density | : 1.21 g/cm3 at 21.1 °C | |
| | | |
| Water solubility | : 3.0 g/l | |
| | | |
| | | |
| Partition coefficient: n- octanol/water | : log Pow: 1.08 - 1.13 Note: The product is more soluble in c | octanol |
| | | |
| Ignition temperature | : Note: not determined | |
| Decomposition temperature | : > 250 °C | |
| | | |
| Molecular Weight | : 86.46 g/mol | |
| | | |
| Global warming potential (GWP) | : 1,500 | |
| Ozone depletion potential | : 0.06 | |
| (ODP) | | |
| | | |
| CTION 10. STABILITY AND R | EACTIVITY | |
| Chemical stability | : Stable under normal conditions. | |
| Possibility of hazardous reactions | : Hazardous polymerisation does not or | ccur. |
| Conditions to avoid | : Pressurized container. Protect from su | |
| | expose to temperatures exceeding 50 Decomposes under high temperature. | |
| | Some risk may be expected of corrosi decomposition products. | ve and toxic |
| | Can form a combustible mixture with a | air at pressures above |

 Incompatible materials to avoid
 : Finely divided aluminium Potassium

 Page 10 / 15

Honeywell

Genetron® 22

| ersion 1.6 | Revision Date 02/14/2013 | Print Date 03/17/2 |
|---------------------------|--|------------------------|
| Hazardous decomposition | Calcium Powdered metals Aluminium Magnesium Zinc : In case of fire hazardous decompos | sition products may be |
| products | produced such as: Gaseous hydrogen chloride (HCI). Gaseous hydrogen fluoride (HF). Carbonyl halides Carbon monoxide Carbon dioxide (CO2) | |
| ECTION 11. TOXICOLOGICAL | | |
| Acute inhalation toxicity | : LC50: > 300000 ppm Exposure time: 4 h Species: rat | |
| Sensitisation | : Cardiac sensitization Species: dogs Note: Chlorodifluoromethane (HCF0 sensitisation threshold (dog): 50000 | |
| Repeated dose toxicity | : Species: rat Application Route: Inhalation Exposure time: Lifetime Exposure NOEL: 10000 ppm Note: Lifetime exposure of male rate small increase in salivary gland fibro | |
| Further information | : Acute toxicity Rapid evaporation of frostbite. Vapours are heavier than suffocation by reducing oxygen ava cause cardiac arrhythmia. | air and can cause |
| | Page 11 / 15 | |

| SAFETY DATA SHEET | | Honeywell |
|---|---|--|
| Genetron® 22 | | |
| 00000009890 | | |
| Version 1.6 | Revision Date 02/14/2013 | Print Date 03/17/2015 |
| SECTION 12. ECOLOGICAL INFOR | RMATION | |
| Ecotoxicity effects | | |
| Toxicity to fish | : static test LC50: 777 mg/l Exposure time: 96 h Species: Danio rerio (zebra fish) | |
| Toxicity to daphnia and other aquatic invertebrates | : static test EC50: 433 mg/l Exposure time: 48 h Species: Daphnia magna (Water fle | ea) |
| Further information on ecolog | ЭУ | |
| Additional ecological information | Accumulation in aquatic organisms This product contains greenhouse g contribute to global warming. Do NO To comply with provisions of the U.S residual must be recovered. This product is subject to U.S. Envin Agency Clean Air Act Regulations a Section 611 requires the following la of this product: Warning: Contains Chlorodifluorom a substance which harms public hea destroying ozone in the upper atmo Refer to sections 610 and 612 for lis unacceptable uses for this product. | pases which may DT vent to the atmosphere. S. Clean Air Act, any ronmental Protection at 40 CFR Part 82. abel text on all shipments methane (HCFC-22), alth and environment by sphere. |
| SECTION 13. DISPOSAL CONSIDE | ERATIONS | |
| Disposal methods | : Observe all Federal, State, and Loc regulations. | al Environmental |
| Note | This product is subject to U.S. Envi Agency Clean Air Act Regulations 82 regarding refrigerant recycling. | |
| | Page 12 / 15 | |
| | | |

| SAFETY DATA SHEET | | | Honeywell | |
|-------------------|---|--|-----------------------|--|
| Genetron | ® 22 | | | |
| 0000000 | 9890 | | | |
| Version 1.6 | Revi | sion Date 02/14/2013 | Print Date 03/17/2015 | |
| | | | | |
| ECTION 14. | TRANSPORT INFORMATION | | | |
| | | | | |
| TDG | UN/ID No. Proper shipping name Class Packing group Hazard Labels | : UN 1018 : Chlorodifluoromethane 2.2 2.2 | | |
| ΙΑΤΑ | UN/ID No. Description of the goods Class Hazard Labels Packing instruction (cargo aircraft) Packing instruction (passenger aircraft) | UN 1018 Chlorodifluoromethane 2.2 2.2 200 200 | | |
| IMDG | UN/ID No. Description of the goods Class Hazard Labels EmS Number Marine Pollutant | UN 1018 Chlorodifluoromethane 2.2 2.2 F-C, S-V no | | |

Inventories

| US. Toxic Substances Control Act | : On TSCA Inventory |
|---|---|
| Australia. Industrial Chemical (Notification and Assessment) Act | : On the inventory, or in compliance with the inventory |
| Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL) | : All components of this product are on the Canadian DSL. |
| | Page 13 / 15 |
| | |

Honeywell

Genetron® 22

| eresion 1.6 Revision Date 02/14/2013 Print Date 03/17/2015 Japan, Kashin-Hou Law : On the inventory, or in compliance with the inventory List Control Law (TCCL) List : On the inventory, or in compliance with the inventory Philippines. The Toxic : On the inventory, or in compliance with the inventory Substances and Hazardous and Nuclear Waste Control Act China. Inventory of Existing : On the inventory, or in compliance with the inventory Kernical Substances : On the inventory, or in compliance with the inventory National regulatory information : On the inventory, or in compliance with the inventory WHMIS Classification : A: Compressed Gas This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. WHMIS : Chlorodifluoromethane 75-45-6 NPRI : Chlorodifluoromethane 75-45-6 Ozone depletion potential : 0.06 : CZTON 16. OTHER INFORMATION : 1 1 Health hazard : 1 1 Physical Hazard : | | | | | |
|--|--|------|------------------------------------|-----------------------|--|
| List Korea. Toxic Chemical Control Law (TCCL) List Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act China. Inventory of Existing Chi | /ersion 1.6 | | Revision Date 02/14/2013 | Print Date 03/17/2015 | |
| List Korea. Toxic Chemical Control Law (TCCL) List Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act China. Inventory of Existing Chi | | | | | |
| List Korea. Toxic Chemical Control Law (TCCL) List Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act China. Inventory of Existing Chi | | | | | |
| Korea. Toxic Chemical Control Law (TCCL) List : 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 inventory China. Inventory of Existing Chemical Substances : On the inventory, or in compliance with the inventory National regulatory information : On the inventory, or in compliance with the inventory WHMIS Classification : A: Compressed Gas This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. WHMIS Components : Chlorodifluoromethane 75-45-6 NPRI Components : Chlorodifluoromethane 75-45-6 Global warming potential : 1,500 Czone depletion potential : 0.06 ECTION 16. OTHER INFORMATION Image: NFPA Flammability : 1 Health hazard : 1 2 Planmability : 1 1 Physical Hazard : 0 1 | | : | On the inventory, or in compliance | e with the inventory | |
| Control Law (TCCL) List Control Law (TCCL) List Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act China. Inventory of Existing : On the inventory, or in compliance with the inventory China. Inventory of Existing : On the inventory, or in compliance with the inventory National regulatory information MHMIS Classification : A: Compressed Gas WHMIS Classification : A: Compressed Gas This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. WHMIS Components : Chlorodifluoromethane 75-45-6 NPRI Components : Chlorodifluoromethane 75-45-6 Global warming potential : 1,500 : Czone depletion potential : 0.06 : : ECTION 16. OTHER INFORMATION Imamability Image: Line of the context or | List | | | | |
| Control Law (TCCL) List Control Law (TCCL) List Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act China. Inventory of Existing : On the inventory, or in compliance with the inventory China. Inventory of Existing : On the inventory, or in compliance with the inventory National regulatory information MHMIS Classification : A: Compressed Gas WHMIS Classification : A: Compressed Gas This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. WHMIS Components : Chlorodifluoromethane 75-45-6 NPRI Components : Chlorodifluoromethane 75-45-6 Global warming potential : 1,500 : Czone depletion potential : 0.06 : : ECTION 16. OTHER INFORMATION Imamability Image: Line of the context or | | | | | |
| Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act : On the inventory, or in compliance with the inventory China. Inventory of Existing Chemical Substances : On the inventory, or in compliance with the inventory National regulatory information : On the inventory, or in compliance with the inventory WHMIS Classification : A: Compressed Gas This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information WHMIS Components : Chlorodifluoromethane 75-45-6 NPRI Components : Chlorodifluoromethane 75-45-6 Qione depletion potential : 1,500 : Cornon depletion potential : 0.06 : Cornon time : : : Health hazard : 1 2 Flammability : 1 1 Physical Hazard : 0 : | | ÷ | On the inventory, or in compliance | ce with the inventory | |
| Substances and Hazardous and Nuclear Waste Control Act On the inventory, or in compliance with the inventory Chemical Substances National regulatory information Image: Substance of the inventory of the inventory of the inventory of the inventory of the compliance with the inventory of the compliance with the inventory of the inventory of the compliance with the inventory of the compliance with the inventory of the inventory of the inventory of the inventory of the compliance with the inventory of the inventory of the inventory of the inventory of the compliance with the inventory of the inventory of the compliance with the inventory of the inventory of the compliance with the inventory of the inventory of the compliance with the inventory of the compliance of the CPR and the MSDS contains all of the information required by the CPR. WHMIS Components : Chlorodifluoromethane 75-45-6 NPRI Components : Chlorodifluoromethane 75-45-6 Global warming potential : 1,500 Image: State of the compliance of th | Control Law (TCCL) LIST | | | | |
| Substances and Hazardous and Nuclear Waste Control Act On the inventory, or in compliance with the inventory Chemical Substances National regulatory information Image: Substance of the inventory of the inventory of the inventory of the inventory of the compliance with the inventory of the compliance with the inventory of the inventory of the compliance with the inventory of the compliance with the inventory of the inventory of the inventory of the inventory of the compliance with the inventory of the inventory of the inventory of the inventory of the compliance with the inventory of the inventory of the compliance with the inventory of the inventory of the compliance with the inventory of the inventory of the compliance with the inventory of the compliance of the CPR and the MSDS contains all of the information required by the CPR. WHMIS Components : Chlorodifluoromethane 75-45-6 NPRI Components : Chlorodifluoromethane 75-45-6 Global warming potential : 1,500 Image: State of the compliance of th | Philippines, The Toxic | • | On the inventory, or in compliance | e with the inventory | |
| and Nuclear Waste Control Act China. Inventory of Existing : On the inventory, or in compliance with the inventory Chemical Substances National regulatory information WHMIS Classification : A: Compressed Gas This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. WHMIS Components : Chlorodifluoromethane 75-45-6 NPRI Components : Chlorodifluoromethane 75-45-6 Global warming potential : 1,500 Ozone depletion potential : 1,500 Cozone depletion potential : 0.06 CUENTION 16. OTHER INFORMATION HIMIS III NFPA Health hazard : 1 2 Flammability : 1 1 Physical Hazard : 0 | | • | | | |
| China. Inventory of Existing Chemical Substances : On the inventory, or in compliance with the inventory National regulatory information National regulatory information WHMIS Classification : A: Compressed Gas This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. WHMIS Components : Chlorodifluoromethane 75-45-6 NPRI Components : Chlorodifluoromethane 75-45-6 Global warming potential : 1,500 Ozone depletion potential (OP) : 0.06 ECTION 16. OTHER INFORMATION Image: Minis III Health hazard : 1 2 Health hazard : 1 2 Flammability : 1 1 Physical Hazard : 0 1 | | | | | |
| Chemical Substances National regulatory information WHMIS Classification : A: Compressed Gas This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. WHMIS Components : Chlorodifluoromethane 75-45-6 NPRI Components : Chlorodifluoromethane 75-45-6 IDE IDE IDE IDE Cozone depletion potential (ODP) : 0.06 IDE ECTION 16. OTHER INFORMATION (DDP) IMIS III NFPA 2 IDE Health hazard : 1 2 Flammability : 1 1 Physical Hazard : 0 IDE | Act | | | | |
| Chemical Substances National regulatory information WHMIS Classification : A: Compressed Gas This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. WHMIS Components : Chlorodifluoromethane 75-45-6 NPRI Components : Chlorodifluoromethane 75-45-6 IDE IDE IDE IDE Cozone depletion potential (ODP) : 0.06 IDE ECTION 16. OTHER INFORMATION Health hazard : IMIS III NFPA 2 IDE Health hazard : 1 2 2 Physical Hazard : 1 1 1 | | | | | |
| National regulatory information WHMIS Classification A: Compressed Gas This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. WHMIS Components : WHMIS Components : Components : : Chlorodifluoromethane MPRI Components : : Chlorodifluoromethane : State : Chlorodifluoromethane : 1,500 : 0.06 : : : MISI II : NFPA Flammability : 1 : 1 : 1 | | : | On the inventory, or in compliance | e with the inventory | |
| WHMIS Classification : A: Compressed Gas This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. WHMIS Components : Chlorodifluoromethane 75-45-6 NPRI Components : Chlorodifluoromethane 75-45-6 Global warming potential : 1,500 Ozone depletion potential (OP) : 0.06 ECTION 16. OTHER INFORMATION Health hazard : 1 Health hazard : 1 2 Flammability : 1 1 Physical Hazard : 0 | Cnemical Substances | | | | |
| WHMIS Classification : A: Compressed Gas This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. WHMIS Components : Chlorodifluoromethane 75-45-6 NPRI Components : Chlorodifluoromethane 75-45-6 Global warming potential : 1,500 Ozone depletion potential (OP) : 0.06 ECTION 16. OTHER INFORMATION Health hazard : 1 Health hazard : 1 2 Flammability : 1 1 Physical Hazard : 0 | | | | | |
| WHMIS Classification : A: Compressed Gas This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. WHMIS Components : Chlorodifluoromethane 75-45-6 NPRI Components : Chlorodifluoromethane 75-45-6 Global warming potential : 1,500 Ozone depletion potential (OP) : 0.06 ECTION 16. OTHER INFORMATION Health hazard : 1 Health hazard : 1 2 Flammability : 1 1 Physical Hazard : 0 | National regulatory informa | atic | n | | |
| WHMIS components : Chlorodifluoromethane 75-45-6 NPRI components : Chlorodifluoromethane 75-45-6 Global warming potential (ODP) : 0.06 ECTION 16. OTHER INFORMATION Flammability MSPA : NFPA : NFPA : Health hazard Flammability : 1 2 Health hazard Flammability : 0 NFPA : 1 | ······································ | | | | |
| WHMIS components : Chlorodifluoromethane 75-45-6 NPRI components : Chlorodifluoromethane 75-45-6 Global warming potential (ODP) : 0.06 ECTION 16. OTHER INFORMATION MIS III NFPA 2 Health hazard Flammability Physical Hazard : 1 Item is in the information required by the CPR. NFPA 75-45-6 | | | | | |
| WHMIS components : Chlorodifluoromethane 75-45-6 NPRI components : Chlorodifluoromethane 75-45-6 Global warming potential : 1,500 Ozone depletion potential : 0.06 CTION 16. OTHER INFORMATION : NFPA Health hazard : 1 Physical Hazard : 0 | | | | | |
| WHMIS components : Chlorodifluoromethane 75-45-6 NPRI components : Chlorodifluoromethane 75-45-6 Global warming potential (ODP) : 0.06 ECTION 16. OTHER INFORMATION Flammability MSPA : NFPA : NFPA : Health hazard Flammability : 1 2 Health hazard Flammability : 0 NFPA : 1 | | | | | |
| whmis components : Chlorodifluoromethane 75-45-6 NPRI Components : Chlorodifluoromethane 75-45-6 Global warming potential : 1,500 | WHMIS Classification | • | | | |
| WHMIS Components : Chlorodifluoromethane 75-45-6 NPRI Components : Chlorodifluoromethane 75-45-6 Global warming potential : 1,500 Ozone depletion potential : 0.06 ETION 16. OTHER INFORMATION : NFPA Health hazard : 1 2 Flammability : 1 1 Physical Hazard : 0 . | | | | | |
| WHMIS Components:Chlorodifluoromethane75-45-6NPRI Components:Chlorodifluoromethane75-45-6Global warming potential:1,500 | | | | | |
| Components:Chlorodifluoromethane75-45-6NPRI Components:Chlorodifluoromethane75-45-6Global warming potential:1,500Ozone depletion potential (ODP):0.06ETION 16. OTHER INFORMATIVEHMIS IIINFPAHealth hazard Flammability Physical Hazard:1211Physical Hazard:0 | | | required by the CPR. | | |
| Components:Chlorodifluoromethane75-45-6NPRI Components:Chlorodifluoromethane75-45-6Global warming potential:1,500Ozone depletion potential (ODP):0.06ETION 16. OTHER INFORMATIVEHMIS IIINFPAHealth hazard Flammability Physical Hazard:1211Physical Hazard:0 | | | | | |
| NPRI Components : Chlorodifluoromethane 75-45-6 Global warming potential : 1,500 Ozone depletion potential : 0.06 (ODP) . . ECTION 16. OTHER INFORMATION . NFPA Health hazard : 1 2 Flammability : 1 1 Physical Hazard : 0 . | WHMIS | | | | |
| Components:Chlorodifluoromethane75-45-6Global warming potential:1,500Ozone depletion potential:0.06CODP:0.06HMIS IIINFPAHealth hazard:Health hazard:1Flammability:1Physical Hazard:0 | Components | : | Chlorodifluoromethane | 75-45-6 | |
| Components:Chlorodifluoromethane75-45-6Global warming potential:1,500Ozone depletion potential:0.06CODP:0.06HMIS IIINFPAHealth hazard:Health hazard:1Flammability:1Physical Hazard:0 | | | | | |
| Global warming potential : 1,500 Ozone depletion potential : 0.06 (ODP) : 1.00 ECTION 16. OTHER INFORMATION Health hazard : 1 Health hazard : 1 Flammability : 1 Physical Hazard : 0 | | | | 75.45.0 | |
| Ozone depletion potential : 0.06 (ODP) ECTION 16. OTHER INFORMATION ECTION 16. OTHER INFORMATION HMIS III Health hazard : 1 2 Flammability : 1 1 Physical Hazard : 0 1 | Components | : | Chlorodifluoromethane | 75-45-6 | |
| Ozone depletion potential : 0.06 (ODP) ECTION 16. OTHER INFORMATION ECTION 16. OTHER INFORMATION HMIS III Health hazard : 1 2 Flammability : 1 1 Physical Hazard : 0 1 | Global warming notantial | | 1 500 | | |
| (ODP) ECTION 16. OTHER INFORMATION Health hazard : 1 2 Flammability : 1 1 Physical Hazard : 0 | Giobal warming potential | · | 1,500 | | |
| (ODP) ECTION 16. OTHER INFORMATION Health hazard : 1 2 Flammability : 1 1 Physical Hazard : 0 | | | | | |
| (ODP) ECTION 16. OTHER INFORMATION Health hazard : 1 2 Flammability : 1 1 Physical Hazard : 0 | Ozone depletion potential | : | 0.06 | | |
| ECTION 16. OTHER INFORMATION HMIS III NFPA Health hazard : 1 2 Flammability : 1 1 Physical Hazard : 0 | | | | | |
| HMIS IIINFPAHealth hazard:1Flammability:1Physical Hazard:0 | | | | | |
| HMIS IIINFPAHealth hazard:1Flammability:1Physical Hazard:0 | | | | | |
| HMIS IIINFPAHealth hazard:1Flammability:1Physical Hazard:0 | CTION 16. OTHER INFORMATION | | | | |
| Health hazard: 12Flammability: 11Physical Hazard: 0 | | - | | | |
| Flammability: 11Physical Hazard: 0 | Health bazard | | | | |
| Physical Hazard : 0 | | : | | | |
| | | ÷ | | | |
| Page 14 / 10 | | | | | |
| | Page 14 / 15 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Honeywell SAFETY DATA SHEET Genetron® 22 00000009890 Version 1.6 Revision Date 02/14/2013 Print Date 03/17/2015 Instability 2 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. Previous Issue Date: 10/01/2010 Prepared by: Honeywell Performance Materials and Technologies Product Stewardship Group