# Honeywell

# Methylene Chloride (298, 299, 300)

#### 00000011394

| 00000011394                                |   |                      |
|--|---|----------------------|
| /ersion 1.9                                | Revision Date 04/23/2014  | Print Date 04/08/201 |
|  |   |                      |
| ECTION 1. PRODUCT AND CO                   | MPANY IDENTIFICATION  |                      |
| Product name                               | : Methylene Chloride (298, 299, 300)  |                      |
| MSDS Number                                | : 000000011394  |                      |
| Product Use Description                    | : Solvent   |                      |
| Manufacturer or supplier's<br>details      | : Honeywell International Inc.<br>101 Columbia Road<br>Morristown, NJ 07962-1057                                    |                      |
| For more information call                  | : 1-800-368-0050<br>+1-231-726-3171<br>(Monday-Friday, 9:00am-5:00pm)   |                      |
| In case of emergency call                  | <ul> <li>Medical: 1-800-498-5701 or +1-303-3</li> <li>Transportation (CHEMTREC): 1-800</li> <li>527-3887</li> </ul> |                      |
|  | : (24 hours/day, 7 days/week)   |                      |
| ECTION 2. HAZARDS IDENTIF                  | ICATION   |                      |
| Emergency Overview                         |   |                      |
| Form                                       | : liquid, clear   |                      |
| Color                                      | : colourless  |                      |
| Odor                                       | : sweet mild  |                      |
| Classification of the substa               | ance or mixture   |                      |
| Classification of the substance or mixture | : Serious eye damage/eye irritation, C<br>Skin irritation, Category 2<br>Carcinogenicity, Category 2                | ≿ategory 2B          |
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|  |   |                      |

| SAFETY DA       | TA SHEET                     |  |  | Honeywell                                  |
|-----------------|------------------------------|--|--|--|
| lethylene C     | Chloride (29                 | 3, 299, 300)   |  |  |
| 000000113       | 94                           |  |  |  |
| ersion 1.9      |                              | Revision Date 04   | 4/23/2014  | Print Date 04/08/201                       |
|                 |                              |  |  |  |
| GHS Label e     | elements, includi            | ng precautionary sta   | itements   |  |
| Symbol(s)       |                              |  | !>   |  |
| Signal word     |                              | : Warning  |  |  |
| Hazard state    | ments                        | : Causes skin irrita<br>Suspected of cau                       |  |  |
| Precautionar    | y statements                 | Do not handle un understood.                                   | ighly after handling.  | e.<br>ions have been read and              |
|                 |                              | IF exposed or co<br>If skin irritation of<br>Take off contamin | sh with plenty of soa<br>ncerned: Get medica<br>ccurs: Get medical a<br>nated clothing and w | al advice/ attention.<br>dvice/ attention. |
|                 |                              | Storage:<br>Store locked up.                                   |  |  |
|                 |                              | <b>Disposal:</b><br>Dispose of conte<br>plant.                 | nts/ container to an a   | approved waste disposal                    |
| Carcinogeni     | city                         |  |  |  |
| NTP:            | Dichlorometh<br>Reasonably   | nane<br>Anticipated to be a Hu                                 | 75-09-2<br>man Carcinogen.   |  |
| IARC:           | Dichlorometh<br>Group 2B: Pe | nane<br>ossibly carcinogenic to                                | 75-09-2<br>humans  |  |
| OSHA:<br>ACGIH: | Dichlorometh<br>Dichlorometh |  | 75-09-2<br>75-09-2   |  |
|                 |                              | Page 2 / 1   | 4  |  |

| AFETY DATA SHE            | ET                 |   | Honeywell             |
|---------------------------|--------------------|---|-----------------------|
| ethylene Chloride         | (298. 299. 30      | 0)  |                       |
| 0000011394                | (,,                | - /   |                       |
| rsion 1.9                 | Revisior           | n Date 04/23/2014   | Print Date 04/08/20   |
| A3: Con                   | firmed animal carc | cinogen   |                       |
| CTION 3. COMPOSITION/I    | INFORMATION OI     | N INGREDIENTS   |                       |
| Formula                   | : CH2Cl2           |   |                       |
| Chemical nature           | : Substanc         | e   |                       |
| Chemic                    | al Name            | CAS-No.   | Concentration         |
| Dichloromethane           |                    | 75-09-2   | 100.00 %              |
| CTION 4. FIRST AID MEAS   | SURES              |   |                       |
| Inhalation                | If breathing       | o fresh air. If not breathing, g<br>g is difficult, give oxygen. Us<br>a qualified operator is presen | e oxygen as required, |
| Skin contact              | minutes. T         | mmediately with plenty of wa<br>ake off contaminated clothin<br>ly. Wash contaminated cloth           | ig and shoes          |
| Eye contact               |                    | nediately with plenty of water<br>t 15 minutes. Call a physiciar                                      |                       |
| Ingestion                 |                    | uce vomiting without medica<br>by mouth to an unconscious p   |                       |
| Notes to physician        |                    |   |                       |
| Treatment                 | : Treat sym        | ptomatically.   |                       |
| CTION 5. FIREFIGHTING I   | MEASURES           |   |                       |
| Suitable extinguishing me | dia : Dry chom     | nical   |                       |
|                           |                    | lioxide (CO2)   |                       |

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|  |   |   |   |
|  |   | Cool closed containers exposed to f   | ire with water spray.   |
| Specific hazards during firefighting             | : | This product is not flammable at and<br>atmospheric pressure.<br>Exposure to decomposition products<br>health.<br>In case of fire hazardous decomposi<br>produced such as:<br>Phosgene<br>Chlorine (Cl2)<br>Carbon monoxide<br>Carbon dioxide (CO2)<br>Gaseous hydrogen chloride (HCI).   | s may be a hazard to  |
| Special protective equipment<br>for firefighters | : | Wear self-contained breathing appa  | ratus and protective suit.  |
| Personal precautions                             |   | Wear personal protective equipment.<br>Immediately evacuate personnel to s<br>Keep people away from and upwind o<br>Isolate the affected area. Confine ent<br>those persons properly protected (se<br>Ensure adequate ventilation.<br>Avoid accumulation of vapours in low<br>Remove all sources of ignition.<br>Do not swallow.<br>Avoid breathing vapours, mist or gas. | of spill/leak.<br>ry into the affected area to<br>e Section 8 of MSDS).<br>r areas. |
| Environmental precautions                        | : | Avoid contact with skin, eyes and clor<br>Prevent further leakage or spillage if<br>Do not let product enter drains.<br>Discharge into the environment must<br>Do not flush into surface water or sar<br>Do not allow run-off from fire fighting<br>courses.  | safe to do so.<br>be avoided.<br>hitary sewer system.                               |
|  | : | Ventilate the area.   |   |
| Methods for cleaning up                          |   | Soak up with inert absorbent materia<br>binder, universal binder, sawdust).<br>Shovel into suitable container for disp  | l (e.g. sand, silica gel, acid<br>oosal.  |

| ethylene Chloride (2                            |          |  |                                    |
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|   |          | Dispose of absorbed material in accorregulations.  | ordance with the                   |
| ECTION 7. HANDLING AND S                        | TOR      | AGE  |                                    |
| Handling  |          |  |                                    |
| Handling  | :        | Wear personal protective equipment.<br>Use only in well-ventilated areas.<br>Keep container tightly closed.<br>Do not smoke.<br>Do not swallow.<br>Avoid breathing vapours, mist or gas<br>Avoid contact with skin, eyes and clo   |                                    |
| Advice on protection against fire and explosion | :        | The product is not flammable.<br>Normal measures for preventive fire product and empty container as<br>sources of ignition.<br>Fire or intense heat may cause violer<br>Container hazardous when empty.  | way from heat and                  |
| Storage   |          |  |                                    |
| Requirements for storage areas and containers   | :        | Protect from physical damage.<br>Keep containers tightly closed in a dr<br>place.<br>Containers which are opened must b<br>kept upright to prevent leakage.<br>Keep away from heat and sources of<br>Keep away from direct sunlight.<br>Store away from incompatible substa<br>Container hazardous when empty. | e carefully resealed and ignition. |
|   | <u> </u> |  |                                    |
| ECTION 8. EXPOSURE CONT                         | KÖL      |  |                                    |
| Protective measures                             | :        | Ensure that eyewash stations and sa the workstation location.  | fety showers are close to          |
| Engineering measures                            | :        | Use with local exhaust ventilation.<br>Prevent vapour buildup by providing   | adequate ventilation               |
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|                          |   | REVISION Dale 04/23/2014  | Filli Dale 04/00/2015   |
|                          |   | during and after use.   |   |
| Eye protection           | : | Do not wear contact lenses.<br>Wear as appropriate:<br>Safety glasses with side-shields<br>If splashes are likely to occur, wear:<br>Goggles or face shield, giving complete pro  | otection to eyes  |
| Hand protection          | : | Solvent-resistant gloves<br>Gloves must be inspected prior to use.<br>Replace when worn.  |   |
| Skin and body protection | : | Wear as appropriate:<br>Solvent-resistant apron<br>Solvent-resistant gloves<br>If splashes are likely to occur, wear:<br>Protective suit  |   |
| Respiratory protection   | : | In case of insufficient ventilation, wear suita<br>equipment.<br>Wear a positive-pressure supplied-air resp<br>For rescue and maintenance work in storag<br>contained breathing apparatus.<br>Use NIOSH approved respiratory protection   | irator.<br>ge tanks use self-   |
| Hygiene measures         | : | When using, do not eat, drink or smoke.<br>Wash hands before breaks and immediated<br>product.<br>Keep working clothes separately.<br>Remove and wash contaminated clothing b<br>Do not swallow.<br>Avoid breathing vapours, mist or gas.<br>Avoid contact with skin, eyes and clothing.<br>This material has an established AIHA ERF<br>The current list of ERPG exposure limits ca<br>http://www.aiha.org/insideaiha/GuidelineDe<br>ocuments/2011erpgweelhandbook_table-o | pefore re-use.<br>PG exposure limit.<br>an be found at<br>evelopment/ERPG/D |

#### **Exposure Guidelines**

| Components      | CAS-No. | Value                                | Control parameters | Upda<br>te | Basis  |
|-----------------|---------|--------------------------------------|--------------------|------------|--|
| Dichloromethane | 75-09-2 | TWA :<br>time<br>weighted<br>average | (50 ppm)           | 2008       | ACGIH:US. ACGIH<br>Threshold Limit<br>Values |
|                 |         | Page 6                               | / 14               |            |  |
|                 |         |                                      |                    |            |  |
|                 |         |                                      |                    |            |  |
|                 |         |                                      |                    |            |  |

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Version 1.9 Revision Date 04/23/2014 Print Date 04/08/2015 Dichloromethane 75-09-2 REF : 29 CFR 03 OSHASP:US. Referenc 1910.1052 2012 OSHA Specifically Regulated e: Substances (29 CFR 1910.1001-1050) Dichloromethane 75-09-2 TWA : (25 ppm) 02 OSHASP:US. time 2006 OSHA Specifically weighted Regulated Substances (29 average CFR 1910.1001-1050) Dichloromethane 75-09-2 OSHA\_A (12.5 ppm) 02 OSHASP:US. CT: 2006 OSHA Specifically **OSHA** Regulated Action Substances (29 CFR 1910.1001level: 1050) 75-09-2 02 OSHASP:US. Dichloromethane STEL : (125 ppm) OSHA Specifically Short 2006 Regulated term exposure Substances (29 limit CFR 1910.1001-1050) **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES** Physical state : liquid, clear Color : colourless Odor : sweet mild : Note: not applicable pН Page 7 / 14

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|                              |                                    | 1 1111 Date 04/00/20 |
|                              |                                    |                      |
| Melting point/freezing point | : -95 °C                           |                      |
| Boiling point/boiling range  | : 40 °C                            |                      |
| Flash point                  | : Note: does not flash             |                      |
| Lower explosion limit        | : 12 %(V)                          |                      |
| Upper explosion limit        | : 19 %(V)                          |                      |
| Vapor pressure               | : 466.63 hPa<br>at 20 °C(68 °F)    |                      |
| Vapor density                | : 2.9 Note: (Air = 1.0)            |                      |
| Density                      | : 1.33 g/cm3                       |                      |
| Water solubility             | : 13.2 g/l at 25 °C                |                      |
| Ignition temperature         | : 556 °C                           |                      |
| Molecular weight             | : 84.94 g/mol                      |                      |
| CTION 10. STABILITY AND F    |                                    |                      |
|                              |                                    |                      |
| Chemical stability           | : Stable under recommended storage | conditions.          |
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|                                    |   |                      |
| Possibility of hazardous reactions | : Hazardous polymerisation does not c   | occur.               |
| Conditions to avoid                | : Heat, flames and sparks.<br>Protect from extreme heat and cold.<br>Keep away from direct sunlight.  |                      |
| Incompatible materials to avoid    | : Oxidizing agents<br>Strong acids and strong bases<br>Metals<br>Aluminium<br>Lithium<br>Magnesium<br>Sodium<br>May attack many plastics, rubbers ar  | nd coatings.         |
| Hazardous decomposition products   | <ul> <li>In case of fire hazardous decomposit<br/>produced such as:<br/>Phosgene<br/>Chlorine (Cl2)<br/>Carbon monoxide</li> </ul>  | tion products may be |
|                                    | Carbon dioxide (CO2)<br>Gaseous hydrogen chloride (HCI).  |                      |
| CTION 11. TOXICOLOGICA             | Gaseous hydrogen chloride (HCI).  |                      |
| CTION 11. TOXICOLOGICA             | Gaseous hydrogen chloride (HCI).  |                      |
|                                    | Gaseous hydrogen chloride (HCl). L INFORMATION L LD50: > 2,000 mg/kg Species: rat Method: OECD Test Guideline 401   |                      |
| Acute oral toxicity                | Gaseous hydrogen chloride (HCl).<br>L INFORMATION<br>: LD50: > 2,000 mg/kg<br>Species: rat<br>Method: OECD Test Guideline 401<br>Note: No deaths<br>: LC50: 14400 ppm<br>Exposure time: 7 h                 |                      |
| Acute inhalation toxicity          | Gaseous hydrogen chloride (HCl).  L INFORMATION  L LD50: > 2,000 mg/kg Species: rat Method: OECD Test Guideline 401 Note: No deaths  LC50: 14400 ppm Exposure time: 7 h Species: mouse  LD50: > 2,000 mg/kg |                      |

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| Eye irritation       : Species: rabbit<br>Result: Moderate eye irritation         Genotoxicity in vitro       : Test Method: Ames test<br>Result: positive         : Test Method: In vitro gene mutation study in mammalian or<br>Cell type: Chinese Hamster Ovary Cells<br>Result: positive         : Test Method: Unscheduled DNA synthesis<br>Result: positive<br>Note: Liver cells mouse         Further information       : Note: Confirmed animal carcinogen with unknown relevant<br>to humans. <b>Ectoxicity effects</b> Toxicity to fish       : static test<br>LC50: 310 mg/l<br>Exposure time: 96 h<br>Species: Pimephales prometas (fathead minnow)         : flow-through test<br>LC50: 10.93 mg/l<br>Exposure time: 96 h<br>Species: Pimephales prometas (fathead minnow)         : flow-through test<br>LC50: 10.95 mg/l<br>Exposure time: 96 h<br>Species: Pimephales prometas (fathead minnow)         : flow-through test<br>LC50: 10.95 mg/l<br>Exposure time: 96 h<br>Species: Oncortynchus mykiss (rainbow trout)         : static test |                  | Revision Date 04/23/2014   | Print Date 04/08/20    |
|--|------------------|--|------------------------|
| Genotoxicity in vitro       : Test Method: Ames test<br>Result: positive         : Test Method: In vitro gene mutation study in mammalian co<br>Cell type: Chinese Hamster Ovary Cells<br>Result: positive         : Test Method: Unscheduled DNA synthesis<br>Result: positive<br>Note: Liver cells mouse         Further information       : Note: Confirmed animal carcinogen with unknown relevant<br>to humans.         CTION 12. ECOLOGICAL INFORMATION         Ecotoxicity effects         Toxicity to fish       : static test<br>LCS0: 310 mg/l<br>Exposure time: 96 h<br>Species: Pimephales prometas (fathead minnow)         : flow-through test<br>LCS0: 10.95 mg/l<br>Exposure time: 96 h<br>Species: Pimephales prometas (fathead minnow)         : flow-through test<br>LCS0: 10.95 mg/l<br>Exposure time: 96 h<br>Species: Pimephales prometas (fathead minnow)   |                  |  |                        |
| Genotoxicity in vitro       : Test Method: Ames test<br>Result: positive         : Test Method: In vitro gene mutation study in mammalian co<br>Cell type: Chinese Hamster Ovary Cells<br>Result: positive         : Test Method: Unscheduled DNA synthesis<br>Result: positive<br>Note: Liver cells mouse         Further information       : Note: Confirmed animal carcinogen with unknown relevant<br>to humans.         CTION 12. ECOLOGICAL INFORMATION         Ecotoxicity effects         Toxicity to fish       : static test<br>LC50: 310 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow)         : flow-through test<br>LC50: 10.95 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow)         : flow-through test<br>LC50: 10.95 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow)   | ritation         | · Species: rabbit  |                        |
| Result: positive         : Test Method: In vitro gene mutation study in mammalian concell type: Chinese Hamster Ovary Cells<br>Result: positive         : Test Method: Unscheduled DNA synthesis<br>Result: positive<br>Note: Liver cells mouse         Further information       : Note: Confirmed animal carcinogen with unknown relevant<br>to humans.         CTION 12. ECOLOGICAL INFORMATION         Ecotoxicity effects         Toxicity to fish       : static test<br>LC50: 310 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow)         : flow-through test<br>LC50: 10.39 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow)         : flow-through test<br>LC50: 10.95 mg/l<br>Exposure time: 96 h<br>Species: Oncorthynchus mykiss (rainbow trout)  | nation           |  |                        |
| Cell type: Chinese Hamster Ovary Cells<br>Result: positive<br>: Test Method: Unscheduled DNA synthesis<br>Result: positive<br>Note: Liver cells mouse<br>Further information : Note: Confirmed animal carcinogen with unknown relevant<br>to humans.<br>CTION 12. ECOLOGICAL INFORMATION<br>Ecotoxicity effects<br>Toxicity to fish : static test<br>LC50: 310 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow)<br>: flow-through test<br>LC50: 193 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow)<br>: flow-through test<br>LC50: 10.95 mg/l<br>Exposure time: 96 h<br>Species: Oncorhynchus mykiss (rainbow trout)   | oxicity in vitro |  |                        |
| Result: positive<br>Note: Liver cells mouse         Further information       : Note: Confirmed animal carcinogen with unknown relevant<br>to humans.         CTION 12. ECOLOGICAL INFORMATION         Ecotoxicity effects         Toxicity to fish       : static test<br>LC50: 310 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow)         : flow-through test<br>LC50: 193 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow)         : flow-through test<br>LC50: 10.95 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow)         : flow-through test<br>LC50: 10.95 mg/l<br>Exposure time: 96 h<br>Species: Oncorhynchus mykiss (rainbow trout)   |                  | Cell type: Chinese Hamster Ovary Ce  |                        |
| to humans.<br>CTION 12. ECOLOGICAL INFORMATION<br>Ecotoxicity effects<br>Toxicity to fish : static test<br>LC50: 310 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow)<br>: flow-through test<br>LC50: 193 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow)<br>: flow-through test<br>LC50: 10.95 mg/l<br>Exposure time: 96 h<br>Species: Oncorhynchus mykiss (rainbow trout)   |                  | Result: positive   | hesis                  |
| Ecotoxicity effects         Toxicity to fish       : static test<br>LC50: 310 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow)         : flow-through test<br>LC50: 193 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow)         : flow-through test<br>LC50: 10.95 mg/l<br>Exposure time: 96 h<br>Species: Oncorhynchus mykiss (rainbow trout)  | er information   |  | with unknown relevance |
| Toxicity to fish: static test<br>LC50: 310 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow): flow-through test<br>LC50: 193 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow): flow-through test<br>LC50: 10.95 mg/l<br>Exposure time: 96 h<br>Species: Oncorhynchus mykiss (rainbow trout)   | oxicity effects  |  |                        |
| <ul> <li>Exposure time: 96 h<br/>Species: Pimephales promelas (fathead minnow)</li> <li>flow-through test<br/>LC50: 193 mg/l<br/>Exposure time: 96 h<br/>Species: Pimephales promelas (fathead minnow)</li> <li>flow-through test<br/>LC50: 10.95 mg/l<br/>Exposure time: 96 h<br/>Species: Oncorhynchus mykiss (rainbow trout)</li> </ul>   | ty to fish       |  |                        |
| <ul> <li>Species: Pimephales promelas (fathead minnow)</li> <li>flow-through test<br/>LC50: 193 mg/l<br/>Exposure time: 96 h<br/>Species: Pimephales promelas (fathead minnow)</li> <li>flow-through test<br/>LC50: 10.95 mg/l<br/>Exposure time: 96 h<br/>Species: Oncorhynchus mykiss (rainbow trout)</li> </ul>   |                  |  |                        |
| LC50: 193 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathead minnow)<br>: flow-through test<br>LC50: 10.95 mg/l<br>Exposure time: 96 h<br>Species: Oncorhynchus mykiss (rainbow trout)   |                  |  | ad minnow)             |
| <ul> <li>Exposure time: 96 h</li> <li>Species: Pimephales promelas (fathead minnow)</li> <li>flow-through test</li> <li>LC50: 10.95 mg/l</li> <li>Exposure time: 96 h</li> <li>Species: Oncorhynchus mykiss (rainbow trout)</li> </ul>   |                  |  |                        |
| Species: Pimephales promelas (fathead minnow)<br>: flow-through test<br>LC50: 10.95 mg/l<br>Exposure time: 96 h<br>Species: Oncorhynchus mykiss (rainbow trout)  |                  |  |                        |
| LC50: 10.95 mg/l<br>Exposure time: 96 h<br>Species: Oncorhynchus mykiss (rainbow trout)  |                  | LC50: 193 mg/l   |                        |
| Exposure time: 96 h<br>Species: Oncorhynchus mykiss (rainbow trout)  |                  | LC50: 193 mg/l<br>Exposure time: 96 h  | ad minnow)             |
| Species: Oncorhynchus mykiss (rainbow trout)   |                  | LC50: 193 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathe<br>: flow-through test  | ad minnow)             |
| : static test  |                  | LC50: 193 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathe<br>: flow-through test<br>LC50: 10.95 mg/l  | ad minnow)             |
|  |                  | LC50: 193 mg/l<br>Exposure time: 96 h<br>Species: Pimephales promelas (fathe<br>: flow-through test<br>LC50: 10.95 mg/l<br>Exposure time: 96 h   |                        |
| Page 10 / 14   |                  | <ul> <li>LC50: 193 mg/l</li> <li>Exposure time: 96 h</li> <li>Species: Pimephales promelas (fathe</li> <li>flow-through test</li> <li>LC50: 10.95 mg/l</li> <li>Exposure time: 96 h</li> <li>Species: Oncorhynchus mykiss (rainternalistic)</li> </ul> |                        |

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|                |  |  |                    |
|                |  |  |                    |
|                |  | _C50: 220 mg/l   |                    |
|                |  | Exposure time: 96 h<br>Species: Lepomis macrochirus (Bluegill su   | nfish)             |
|                |  |  | inion)             |
|                | •  | static test  |                    |
| aquatic i      | nvertebrates   | EC50: 140 mg/l   |                    |
|                |  | Exposure time: 48 h<br>Species: Daphnia magna (Water flea)   |                    |
|                |  |  |                    |
| Toxicity       | to bacteria :  | EC50: 1,000 mg/l   |                    |
|                |  | Exposure time: 15 min<br>Species: Photobacterium phosphoreum   |                    |
|                |  | species. Photobacterium phospholeum  |                    |
| Further        | information on ecology   |  |                    |
|                |  |  |                    |
| TION 13        | . DISPOSAL CONSIDER  | TIONS  |                    |
| Dianaaa        | I methods :  | Observe all Federal, State, and Local Envi   |                    |
|                |  |  | ronmontal          |
| Disposa        |  |  | ronmental          |
| Disposa        |  | regulations.   | ronmental          |
|                |  | egulations.  | ronmental          |
| TION 14        | . TRANSPORT INFORM   | regulations.   | ronmental          |
|                | . TRANSPORT INFORM<br>UN/ID No.  | regulations.<br>TION<br>: UN 1593  | ronmental          |
| TION 14        | <b>. TRANSPORT INFORM</b><br>UN/ID No.<br>Proper shipping name   | TION<br>: UN 1593<br>: DICHLOROMETHANE   | ronmental          |
| TION 14        | . TRANSPORT INFORM<br>UN/ID No.<br>Proper shipping name<br>Class   | regulations.<br>TION<br>: UN 1593  | ronmental          |
| TION 14        | <b>. TRANSPORT INFORM</b><br>UN/ID No.<br>Proper shipping name   | TION<br>: UN 1593<br>: DICHLOROMETHANE<br>6.1  | ronmental          |
| TION 14        | . TRANSPORT INFORM<br>UN/ID No.<br>Proper shipping name<br>Class<br>Packing group  | TION<br>: UN 1593<br>: DICHLOROMETHANE<br>6.1<br>III   | ronmental          |
| TION 14<br>DOT | . TRANSPORT INFORM<br>UN/ID No.<br>Proper shipping name<br>Class<br>Packing group<br>Hazard Labels   | TION<br>: UN 1593<br>: DICHLOROMETHANE<br>6.1<br>III<br>6.1  | ronmental          |
| TION 14        | . TRANSPORT INFORM<br>UN/ID No.<br>Proper shipping name<br>Class<br>Packing group<br>Hazard Labels<br>UN/ID No.  | TION<br>UN 1593<br>DICHLOROMETHANE<br>6.1<br>III<br>6.1<br>E. UN 1593  | ronmental          |
| TION 14<br>DOT | . TRANSPORT INFORM<br>UN/ID No.<br>Proper shipping name<br>Class<br>Packing group<br>Hazard Labels<br>UN/ID No.<br>Description of the goo<br>Class   | TION<br>: UN 1593<br>: DICHLOROMETHANE<br>6.1<br>III<br>6.1<br>: UN 1593<br>: DICHLOROMETHANE<br>: 6.1   | ronmental          |
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| TION 14<br>DOT | . TRANSPORT INFORM<br>UN/ID No.<br>Proper shipping name<br>Class<br>Packing group<br>Hazard Labels<br>UN/ID No.<br>Description of the goo<br>Class<br>Packaging group<br>Hazard Labels<br>Packing instruction (c   | egulations.<br>TION<br>: UN 1593<br>: DICHLOROMETHANE<br>6.1<br>III<br>6.1<br>: UN 1593<br>Is<br>: UN 1593<br>Is<br>: DICHLOROMETHANE<br>: 6.1<br>: III<br>: 6.1   | ronmental          |
| TION 14<br>DOT | . TRANSPORT INFORM<br>UN/ID No.<br>Proper shipping name<br>Class<br>Packing group<br>Hazard Labels<br>UN/ID No.<br>Description of the goo<br>Class<br>Packaging group<br>Hazard Labels<br>Packing instruction (c<br>aircraft)  | regulations.         TION         : UN 1593         : DICHLOROMETHANE         6.1         III         6.1         III         6.1         III         6.1         III         6.1         III         6.1         : DICHLOROMETHANE         : 6.1         : III         : 6.1         : III         : 6.1         : III         : 6.1                      | ronmental          |
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| TION 14<br>DOT | . TRANSPORT INFORM<br>UN/ID No.<br>Proper shipping name<br>Class<br>Packing group<br>Hazard Labels<br>UN/ID No.<br>Description of the goo<br>Class<br>Packaging group<br>Hazard Labels<br>Packing instruction (o<br>aircraft)<br>Packing instruction<br>(passenger aircraft) | regulations.         TION         : UN 1593         : DICHLOROMETHANE         6.1         III         6.1         III         6.1         III         6.1         III         6.1         2         1         6.1         : 01CHLOROMETHANE         : 6.1         : 01CHLOROMETHANE         : 6.1         : 0.1         : 0.1         : 063         : 0655 | ronmental          |

| AFETY DA   | TA SHEET  |                     |                          | Honeywell            |
|--|---|---------------------|--------------------------|----------------------|
| ethvlene C   | hloride (29   | 8, 299, 300)        |                          |                      |
| 0000001139   | •   | -,,,                |                          |                      |
| /ersion 1.9  |   | Revision Date       | 04/23/2014               | Print Date 04/08/201 |
| IMDG (<br>D<br>C<br>P  | Dassenger aircra<br>JN/ID No.<br>lescription of the<br>class<br>ackaging group<br>lazard Labels | : UN 1              | 593<br>ILOROMETHANE      |                      |
|  | mS Number<br>larine pollutant   | : F-A,<br>: no      | S-A                      |                      |
| Inventories  |   |                     |                          |                      |
| US. Toxic Sul<br>Control Act                                 | bstances  | : On TSCA Invento   | ry                       |                      |
| Australia. Ind<br>Chemical (No<br>Assessment)                | tification and  | : On the inventory, | or in compliance with    | the inventory        |
| Canada. Can<br>Environmenta<br>Act (CEPA). I<br>Substances L | al Protection<br>Domestic   | : All components of | f this product are on th | ne Canadian DSL.     |
| Japan. Kashii<br>List  | n-Hou Law   | : On the inventory, | or in compliance with    | the inventory        |
| Korea. Toxic<br>Control Law (                                |   | : On the inventory, | or in compliance with    | the inventory        |
|  | he Toxic<br>Ind Hazardous<br>Waste Control  | : On the inventory, | or in compliance with    | the inventory        |
| China. Invent<br>Chemical Sub                                | ory of Existing<br>ostances   | : On the inventory, | or in compliance with    | the inventory        |
| New Zealand<br>Chemicals (N<br>published by<br>Zealand       | VZIoC), as  | : On the inventory, | or in compliance with    | the inventory        |
|  |   | Page 12             |                          |                      |

# Honeywell

| rsion 1.9  | Revision Date 04/23/2014  | Print Date 04/08/20 |
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|  |   |                     |
| National regulatory information                        | ation   |                     |
| US. EPA CERCLA<br>Hazardous Substances (40<br>CFR 302) | : The following component(s) of this product is/are subject to release reporting under 40 CFR 302 when release exceeds the Reportable Quantity (RQ):  |                     |
|  | Reportable quantity: 1000 lbs<br>: Dichloromethane  | 75-09-2             |
| SARA 302 Components                                    | SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.   |                     |
| SARA 313 Components                                    | <ul><li>The following components are subjected by SARA Title III, Section</li><li>Dichloromethane</li></ul>   |                     |
| SARA 311/312 Hazards                                   | : Acute Health Hazard<br>Chronic Health Hazard  |                     |
| CERCLA Reportable<br>Quantity                          | : 1000 lbs  |                     |
| California Prop. 65                                    | : WARNING! This product contains a<br>State of California to cause cancer<br>Dichloromethane  |                     |
| Massachusetts RTK                                      | : Dichloromethane   | 75-09-2             |
|  |   |                     |
| New Jersey RTK   | : Dichloromethane   | 75-09-2             |
| Pennsylvania RTK                                       | : Dichloromethane   | 75-09-2             |
| WHMIS Classification                                   | <ul> <li>D1B: Toxic Material Causing Immediate and Serious Toxic<br/>Effects</li> <li>D2A: Very Toxic Material Causing Other Toxic Effects</li> <li>D2B: Toxic Material Causing Other Toxic Effects</li> <li>This product has been classified according to the hazard criteria</li> </ul> |                     |
|  | Page 13 / 14  |                     |

#### SAFETY DATA SHEET Honeywell Methylene Chloride (298, 299, 300) 00000011394 Version 1.9 Revision Date 04/23/2014 Print Date 04/08/2015 of the CPR and the MSDS contains all of the information required by the CPR. **SECTION 16. OTHER INFORMATION** HMIS III **NFPA** Health hazard : 2\* 2 Flammability : 1 1 Physical Hazard : 0 Instability 1 0 \* - Chronic health hazard 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: 12/06/2012 Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group Page 14 / 14