Honeywell

Solstice® L40X (R-455A)

10672439

Version 2.0 Revision Date 01/21/2021 Print Date 10/07/2024

SECTION 1. IDENTIFICATION

Product name : Solstice® L40X (R-455A)

Number : 00000018891

Product Use Description : Refrigerant

Manufacturer or supplier's

details

Honeywell International Inc.

115 Tabor Road

Morris Plains, NJ 07950-2546

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 +1-303-389-1414

Transportation (CHEMTREC): 1-800-424-9300 or +1-703-

527-3887

:

(24 hours/day, 7 days/week)

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Form : Liquefied gas

Color : clear

Odor : slight

Classification of the substance or mixture

Classification of the : Flammable gases, Category 1

substance or mixture Gases under pressure, Liquefied gas

Simple Asphyxiant

GHS Label elements, including precautionary statements

Page 1 / 18

Honeywell

Solstice® L40X (R-455A)

10672439

Version 2.0 Revision Date 01/21/2021 Print Date 10/07/2024

Symbol(s)





Signal word : Danger

Hazard statements : Extremely flammable gas.

Contains gas under pressure; may explode if heated. May displace oxygen and cause rapid suffocation.

Precautionary statements : **Prevention:**

Keep away from heat/ sparks/ open flames/ hot surfaces. No

smoking.

Response:

Leaking gas fire: Do not extinguish, unless leak can be stopped

safely.

Eliminate all ignition sources if safe to do so.

Storage:

Protect from sunlight. Store in a well-ventilated place.

Hazards not otherwise

classified

: May cause frostbite.

May cause cardiac arrhythmia. 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 known or anticipated carcinogen by NTP, IARC, or OSHA.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

| Chemical name | CAS-No. | Concentration |
|-------------------------------|----------|---------------|
| 2,3,3,3-Tetrafluoroprop-1-ene | 754-12-1 | 75.50 % |

Page 2 / 18

Honeywell

Solstice® L40X (R-455A)

10672439

| Version 2.0 | Revision Date 01/21/2021 | Print Date 10/07/2024 |
|-----------------|--------------------------|-----------------------|
| Difluoromethane | 75-10-5 | 21.50 % |
| Carbon dioxide | 124-38-9 | 3.00 % |

SECTION 4. FIRST AID MEASURES

General advice : First aider needs to protect himself. Move out of dangerous

area. Take off all contaminated clothing immediately.

Inhalation : Remove to fresh air. If not breathing, give artificial respiration.

If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present. Call a physician.

Skin contact : After contact with skin, wash immediately with plenty of water.

Rapid evaporation of the liquid may cause frostbite. 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. Call a physician. Wash contaminated

clothing before re-use.

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. 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. If conscious, drink plenty of water. Never give anything

by mouth to an unconscious person. Call a physician

immediately.

Notes to physician

Indication of immediate medical attention and special treatment needed, if necessary

: Treat frost-bitten areas as needed. Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : In case of fire, allow gas to burn if flow cannot be shut off

Page 3 / 18

Honeywell

Solstice® L40X (R-455A)

10672439

Version 2.0 Revision Date 01/21/2021 Print Date 10/07/2024

immediately.

Apply water from a safe distance to cool container and protect

surrounding area.

Use water spray, alcohol-resistant foam, dry chemical or

carbon dioxide.

Specific hazards during firefighting

: Flammable gas.

Contents under pressure.

Vapours are heavier than air and can cause suffocation by

reducing oxygen available for breathing.

Vapors may travel to areas away from work site before

igniting/flashing back to vapor source.

Fire or intense heat may cause violent rupture of packages. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water

courses.

Fire may cause evolution of:

Hydrogen fluoride Carbonyl halides

Halogenated compounds

Carbon oxides

Special protective equipment

for firefighters

: In the event of fire and/or explosion do not breathe fumes.

Wear self-contained breathing apparatus and protective suit.

No unprotected exposed skin areas.

Further information : In case of fire: Evacuate area. Fight fire remotely due to the

risk of explosion.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Immediately evacuate personnel to safe areas.

Keep people away from and upwind of spill/leak.

Wear personal protective equipment. Unprotected persons

must be kept away.

Wear self-contained breathing apparatus and protective suit.

Eliminate all ignition sources if safe to do so.

Avoid skin contact with leaking liquid (danger of frostbite).

Ventilate the area.

Vapors may travel to areas away from work site before

igniting/flashing back to vapor source.

Vapours are heavier than air and can cause suffocation by

Page 4 / 18

Honeywell

Solstice® L40X (R-455A)

10672439

Version 2.0 Revision Date 01/21/2021 Print Date 10/07/2024

reducing oxygen available for breathing. Avoid accumulation of vapours in low areas.

Unprotected personnel should not return until air has been

tested and determined safe.

Ensure that the oxygen content is >= 19.5%.

Environmental precautions : Prevent further leakage or spillage if safe to do so.

The product evaporates readily.

Discharge into the environment must be avoided.

Methods and materials for containment and cleaning

up

Use explosion-proof equipment.

No sparking tools should be used.

Ventilate the area. Allow to evaporate.

SECTION 7. HANDLING AND STORAGE

Handling

Precautions for safe

handling

Handle with care.

Wear personal protective equipment.

Do not breathe vapour.

Avoid contact with skin, eyes and clothing.

Use only in well-ventilated areas.

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 remove screw cap until immediately ready for use.

Always replace cap after use.

Advice on protection against fire and explosion

Container hazardous when empty.

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the

occupational exposure limits.

Keep product and empty container away from heat and

sources of ignition.

Do not pressurize, cut, weld, braze, solder, drill, grind or

expose containers to heat or sources of ignition.

Take measures to prevent the build up of electrostatic charge.

Page 5 / 18

Honeywell

Solstice® L40X (R-455A)

10672439

Version 2.0 Revision Date 01/21/2021 Print Date 10/07/2024

Electrical equipment should be protected to the appropriate

standard.

Use explosion-proof equipment. No sparking tools should be used.

No smoking.

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.

Keep away from heat and sources of ignition. Storage rooms must be properly ventilated.

Ensure adequate ventilation, especially in confined areas.

Protect cylinders from physical damage. Store away from incompatible substances.

Store in original container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective measures : Ensure that eyewash stations and safety showers are close to

the workstation location. Do not breathe vapour.

Avoid contact with skin, eyes and clothing.

Engineering measures : Use with local exhaust ventilation.

Eye protection : Safety goggles

Hand protection : Protective gloves

Gloves must be inspected prior to use.

Replace when worn.

Skin and body protection : Avoid skin contact with leaking liquid (danger of frostbite).

Wear suitable protective equipment.

Respiratory protection : No personal respiratory protective equipment normally

required.

When workers are facing concentrations above the exposure

limit they must use appropriate certified respirators.

Page 6 / 18

Honeywell

Solstice® L40X (R-455A)

10672439

Version 2.0 Revision Date 01/21/2021 Print Date 10/07/2024

Use NIOSH approved respiratory protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice.

Ensure adequate ventilation, especially in confined areas.

When using do not eat, drink or smoke.

Remove and wash contaminated clothing before re-use.

Keep working clothes separately.

Do not breathe vapour.

Avoid contact with skin, eyes and clothing.

Exposure Guidelines

| Exposure Guidelii | nes | | | | |
|---------------------------------------|----------|---------------------------------------------|----------------------------|---------------|-------------------------------------------------------------------------------|
| Components | CAS-No. | Value | Control parameters | Upda te | Basis |
| 2,3,3,3- Tetrafluoroprop- 1-ene | 754-12-1 | TWA : Time weighted average | (500 ppm) | 2009 | WEEL:US. OARS. WEELs Workplace Environmental Exposure Level Guide, as amended |
| | 754.40.4 | T-14/4 | L(500) | 100.45 | I., |
| 2,3,3,3- Tetrafluoroprop- 1-ene | 754-12-1 | TWA: Time weighted average | (500 ppm) | 03 15 2010 | Honeywell:Limit established by Honeywell International Inc. |
| | 754.40.4 | LOTEL | (4.500) | 100.45 | 111 |
| 2,3,3,3- Tetrafluoroprop- 1-ene | 754-12-1 | STEL: Short term exposure limit | (1,500 ppm) | 03 15 2010 | Honeywell:Limit established by Honeywell International Inc. |
| D:0 | 75.40.5 | T-10/0 | To 000 / 0 | 10007 | IMEEL 110 0AD0 |
| 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, as amended |
| | | 1 | 1 | 1 | |
| Difluoromethane | 75-10-5 | TWA : Time weighted average | (1,000 ppm) | 1994 | Honeywell:Limit established by Honeywell International Inc. |
| | | | | | |

Honeywell

Solstice® L40X (R-455A)

10672439

| Version 2.0 | Revision Date 01/21/2021 | Print Date 10/07/2024 |
|-------------|--------------------------|-----------------------|
|-------------|--------------------------|-----------------------|

| Carbon dioxide | 124-38-9 | TWA : Time weighted average | (5,000 ppm) | 2008 | ACGIH:US. ACGIH Threshold Limit Values, as amended |
|----------------|----------|----------------------------------------------|------------------------------|------------|---------------------------------------------------------------------------------------------------------|
| Carbon dioxide | 124-38-9 | STEL : Short term exposure limit | (30,000 ppm) | 2008 | ACGIH:US. ACGIH Threshold Limit Values, as amended |
| Carbon dioxide | 124-38-9 | REL: Recomm ended exposure limit (REL): | 9,000 mg/m3 (5,000 ppm) | 2005 | NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards, as amended |
| Carbon dioxide | 124-38-9 | STEL: Short term exposure limit | 54,000 mg/m3 (30,000 ppm) | 2005 | NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards, as amended |
| Carbon dioxide | 124-38-9 | PEL: Permissi ble exposure limit | 9,000 mg/m3 (5,000 ppm) | 02 2006 | OSHA_TRANS:US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended |
| Carbon dioxide | 124-38-9 | STEL : Short term exposure limit | 54,000 mg/m3 (30,000 ppm) | 1989 | Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended |

Honeywell

Solstice® L40X (R-455A)

10672439

Version 2.0 Revision Date 01/21/2021 Print Date 10/07/2024

| Carbon dioxide | 124-38-9 | TWA: Time weighted average | 18,000 mg/m3 (10,000 ppm) | Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended |
|----------------|----------|-------------------------------------|------------------------------|------------------------------------------------------------------|
| | | | | |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquefied gas

Color : clear

Odor : slight

Odor threshold : Note: No data available

pH : Note: Not applicable

Melting point/range : Note: No data available

Boiling point/boiling range : Note: No data available

Flash point : Note: Not applicable

Evaporation rate : Note: No data available

Lower flammability limit : 11.8 %(V) at 23 °C

Upper flammability limit : 12.9 %(V) at 23 °C

Vapor pressure : 1,235 kPa

at 21.1 °C(70.0 °F)

2,638 kPa

at 54.4 °C(129.9 °F)

Vapor density : Note: No data available

Page 9 / 18

Honeywell

Solstice® L40X (R-455A)

10672439

Version 2.0 Revision Date 01/21/2021 Print Date 10/07/2024

Density : Note: No data available

Water solubility : Note: No data available

Partition coefficient: n-

octanol/water

: Note: No data available

Ignition temperature : 473 - 477 °C

Viscosity, dynamic : Note: No data available

Viscosity, kinematic : Note: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.

Chemical stability : Stable under normal conditions.

Possibility of hazardous

reactions

: Hazardous polymerisation does not occur.

Conditions to avoid : Keep away from heat and sources of ignition.

Pressurized container. Protect from sunlight and do not

expose to temperatures exceeding 50 °C.

Do not pressurize, cut, weld, braze, solder, drill, grind or

expose containers to heat or sources of ignition.

Decomposes under high temperature.

Some risk may be expected of corrosive and toxic

decomposition products.

Incompatible materials : Strong oxidizing agents

Finely divided aluminium Finely divided magnesium

Zinc

Page 10 / 18

Honeywell

Solstice® L40X (R-455A)

10672439

Version 2.0 Revision Date 01/21/2021 Print Date 10/07/2024

Hazardous decomposition

products

Hydrogen fluoride
 Carbonyl halides
 Carbon monoxide
 Carbon dioxide (CO2)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute inhalation toxicity

2,3,3,3-Tetrafluoroprop-1-

ene

: LC50: > 400000 ppm Exposure time: 4 h

Species: Rat

Method: OECD Test Guideline 403

Difluoromethane : LC50: > 520000 ppm

Exposure time: 4 h Species: Rat

Skin irritation

2,3,3,3-Tetrafluoroprop-1-

ene

: Note: Not applicable

study technically not feasible

Eye irritation

2,3,3,3-Tetrafluoroprop-1-

ene

: Note: Not applicable

study technically not feasible

Sensitisation

2,3,3,3-Tetrafluoroprop-1-

ene

: Dermal

Note: Not applicable, as this product is a gas.

study technically not feasible

Difluoromethane : Cardiac sensitization

Species: dogs

Note: No-observed-effect level

>350 000 ppm

Repeated dose toxicity

Page 11 / 18

Honeywell

Solstice® L40X (R-455A)

10672439

Version 2.0 Revision Date 01/21/2021 Print Date 10/07/2024

2,3,3,3-Tetrafluoroprop-1-

ene

: Species: Rat

Application Route: Inhalation Exposure time: (2 Weeks)

No-observed-effect level: 50000 ppm Method: OECD Test Guideline 412

Species: Rat

Application Route: Inhalation Exposure time: (4 Weeks)

NOAEL (No observed adverse effect level): 50000 ppm

Method: OECD Test Guideline 412

Species: Rat

Application Route: Inhalation Exposure time: (13 Weeks)

NOAEL (No observed adverse effect level): 50000 ppm

Method: OECD Test Guideline 413

Species: Rabbit, male Application Route: Inhalation Exposure time: (28 d)

No-observed-effect level: 500 ppm Method: OECD Test Guideline 412

There are no observed toxicological effects, which result in

classification as a specific target organ toxicant.

Species: Rabbit, female Application Route: Inhalation Exposure time: (28 d)

No-observed-effect level: 1000 ppm Method: OECD Test Guideline 412

There are no observed toxicological effects, which result in

classification as a specific target organ toxicant.

Species: Mini-pig

Application Route: Inhalation Exposure time: (28 d)

NOAEL (No observed adverse effect level): 10000 ppm

highest exposure tested

Difluoromethane : Species: Rat

Application Route: Inhalation Exposure time: (90 d) NOEL: 50000 ppm

Page 12 / 18

Honeywell

Solstice® L40X (R-455A)

10672439

Version 2.0 Revision Date 01/21/2021 Print Date 10/07/2024

Subchronic toxicity

Genotoxicity in vitro

2,3,3,3-Tetrafluoroprop-1-

ene

: Test Method: Ames test

Result: 20% and higher, positive in TA 100 and e. coli WP2

uvrA, negative in TA98, TA100, and TA1535.

Method: OECD Test Guideline 471

Difluoromethane : Test Method: Ames test

Result: negative

Test Method: Chromosome aberration test in vitro

Cell type: Human lymphocytes

Result: negative

Method: OECD Test Guideline 473

Note: Dose 760,000 ppm

Cell type: Human lymphocytes

Result: negative

Method: Mutagenicity (in vitro mammalian cytogenetic test)

: Test Method: Chromosome aberration test in vitro

Result: negative

Genotoxicity in vivo

2,3,3,3-Tetrafluoroprop-1-

ene

Species: Mouse

Cell type: Micronucleus

Dose: up to 200,000 ppm (4 hour) Method: OECD Test Guideline 474

Result: negative

Test Method: Unscheduled DNA synthesis

Dose: up to 50,000 ppm (4 weeks) Method: OECD Test Guideline 486

Result: negative

Species: Rat

Cell type: Micronucleus

Dose: up to 50,000 ppm (4 weeks) Method: OECD Test Guideline 474

Result: negative

Difluoromethane : Species: Mouse

Cell type: Bone marrow

Page 13 / 18

Honeywell

Solstice® L40X (R-455A)

10672439

Version 2.0 Revision Date 01/21/2021 Print Date 10/07/2024

Method: Mutagenicity (micronucleus test)

Result: negative

Carcinogenicity

2,3,3,3-Tetrafluoroprop-1-

ene

: Species: Rat

Note: Not classified as a human carcinogen. Substance not

expected to be a carcinogen based on available data.

Teratogenicity

Difluoromethane

: Species: Rat

Dose: NOEL - 50,000 ppm

Note: Did not show teratogenic effects in animal experiments.

Species: Rabbit

Dose: NOEL - 50,000 ppm

Note: Did not show teratogenic effects in animal experiments.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : LC50: > 197 mg/l

Exposure time: 96 h

Species: Cyprinus carpio (Carp)

Test substance: 2,3,3,3-Tetrafluoroprop-1-ene

Toxicity to daphnia and other aquatic invertebrates 2,3,3,3-Tetrafluoroprop-1- : EC50: > 83 mg/l

ene

Exposure time: 48 h

Species: Daphnia magna (Water flea) Method: OECD Test Guideline 202

Toxicity to algae

2,3,3,3-Tetrafluoroprop-1-

: EC50: > 100 mg/l

ene

Species: Scenedesmus capricornutum (fresh water algae)

Method: OECD Test Guideline 201

Page 14 / 18

Honeywell

Solstice® L40X (R-455A)

10672439

Version 2.0 Revision Date 01/21/2021 Print Date 10/07/2024

Bioaccumulation

2,3,3,3-Tetrafluoroprop-1- : Note: Due to the distribution coefficient n-octanol/water,

ene accumulation in organisms is not expected.

Biodegradability

2,3,3,3-Tetrafluoroprop-1- : Result: Not readily biodegradable.

ene Method: OECD Test Guideline 301F

Difluoromethane : Note: Minimal

Further information on ecology

Additional ecological : Accumulation in aquatic organisms is unlikely.

information This product is subject to U.S. Environmental Protection Agency Clean Air Act Regulations at 40 CFR Part 82.

This product contains greenhouse gases which may

contribute to global warming. Do NOT vent to the atmosphere. To comply with provisions of the U.S. Clean Air Act, any

residual must be recovered.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Observe all Federal, State, and Local Environmental

regulations.

SECTION 14. TRANSPORT INFORMATION

DOT UN/ID No. : UN 3161

Proper shipping name : LIQUEFIED GAS, FLAMMABLE, N.O.S.

(R-1234yf, Difluoromethane)

Class 2.1

Packing group

Hazard Labels 2.1

IATA UN/ID No. : UN 3161

Description of the goods : LIQUEFIED GAS, FLAMMABLE, N.O.S.

(R-1234yf, Difluoromethane)

Page 15 / 18

Honeywell

Solstice® L40X (R-455A)

10672439

Version 2.0 Revision Date 01/21/2021 Print Date 10/07/2024

> Class : 2.1 Hazard Labels : 2.1 Packing instruction (cargo : 200

aircraft)

IMDG UN/ID No. : UN 3161

> Description of the goods : LIQUEFIED GAS, FLAMMABLE, N.O.S.

(R-1234yf, DIFLUOROMETHANE)

Class : 2.1 Hazard Labels : 2.1 EmS Number : F-D, S-U Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

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

Japan. Kashin-Hou Law

List

: On the inventory, or in compliance with the inventory

Korea. Existing Chemicals

Inventory (KECI)

: On the inventory, or in compliance with the inventory

Philippines. Inventory of Chemicals and Chemical Substances (PICCS)

: On the inventory, or in compliance with the inventory

Chemical Substances

(IECSC)

China. Inventory of Existing : On the inventory, or in compliance with the inventory

New Zealand. Inventory of : On the inventory, or in compliance with the inventory

Page 16 / 18

Honeywell

Solstice® L40X (R-455A)

10672439

Version 2.0 Revision Date 01/21/2021 Print Date 10/07/2024

Chemicals (NZIoC), as published by ERMA New

Zealand

TSCA 12B : US. Toxic Substances Control Act (TSCA) Section 12(b) Export

Notification (40 CFR 707, Subpt D)

2,3,3,3-Tetrafluoroprop-1-ene 754-12-1

National regulatory information

US. Toxic Substances

Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

: Issued.

: 2,3,3,3-Tetrafluoroprop-1-ene 754-12-1

SARA 302 Components : No chemicals in this material are subject to the reporting

requirements of SARA Title III, Section 302.

SARA 313 Components : 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 : Fire Hazard

Sudden Release of Pressure Hazard

Acute Health Hazard

California Prop. 65

WARNING: This product can expose you to chemicals, listed below, known to the State of California to cause cancer and birth defects or other reproductive harm. For more

information go to www.P65Warnings.ca.gov.

Dichloromethane 75-09-2 Chloromethane 74-87-3

Massachusetts RTK : Carbon dioxide 124-38-9

: Dichloromethane 75-09-2

New Jersey RTK : Carbon dioxide 124-38-9

Pennsylvania RTK : Difluoromethane 75-10-5

Page 17 / 18

Honeywell

Solstice® L40X (R-455A)

10672439

Version 2.0 Revision Date 01/21/2021 Print Date 10/07/2024

: Carbon dioxide 124-38-9

SECTION 16. OTHER INFORMATION

| | HIMI S III | NFPA |
|-----------------|------------|------|
| Health hazard | : 1 | 2 |
| Flammability | : 4 | 4 |
| Physical Hazard | : 0 | |
| Instability | : | 0 |

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

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

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

Previous Issue Date: 05/23/2019

Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group