| | zard communication revised in 2012 (HazCom 2012) | purafil |
|---|---|------------------------|
| | of the substance or mixture and of the supplier | |
| 1.1. Product identifier Trade name Product code | : Purafil [®] CP Blend Media : PUR-008 | |
| 1.2. Relevant identified us | es of the substance or mixture and uses advised against | |
| Recommended use Restrictions of use | Dry granular medium for use in gas-phase air filtratio Only use for the intended purpose. The product is not intended to remove dangerous pa The product is not intended to purify water. | |
| 1.3. Details of the supplier | of the safety data sheet | |
| Manufacturer | : Purafil, Inc. 2654 Weaver Way Doraville, Georgia 30340 USA Tel: +1-770-662-8545, +1-800-222-6367 (toll-free wit Fax: +1-770-263-6922 www.purafil.com | thin the USA & Canada) |
| 1.4. Emergency telephone | | |
| CHEMTREC | For Hazardous Materials [or Dangerous Goods] Incic Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 CCN7235 Outside USA and Canada: +1-703-741-5970 (collect | 86 |
| Purafil, Inc. | : +1-770-662-8545, +1-800-222-6367 (toll-free within t | he USA and Canada) |
| SECTION 2: Hazards ider | tification | |
| 2.1. Classification of the s GHS-US classification Not Classified | ubstance or mixture | |
| 2.2. Label elements | | |
| GHS-US labeling No labeling applicable. | : | |
| 2.3. Other hazards | | |
| May cause respiratory irritation. Special danger of slipping by leak The components in this mixture d | ing/spilling product. o not meet the criteria for classification as PBT or vPvB. | |
| 2.4. Unknown acute toxici | v (GHS-US) | |
| No data available. | | |

| SECTION 3: Composition/information on ingredients | | | |
|---|--------------------|---------|--|
| Name | Product identifier | % | GHS-US classification |
| Aluminum oxide (Al ₂ O ₃) | (CAS No) 1344-28-1 | 25 – 35 | Not classified |
| Carbon (C) | (CAS No) 7440-44-0 | 30 - 50 | Not classified |
| Sodium bicarbonate (NaHCO ₃) | (CAS No) 144-55-8 | 5 – 15 | Not classified |
| Potassium permanganate (KMnO ₄) | (CAS No) 7722-64-7 | 2 – 5 | Ox. Sol. 2, H272 Acute Tox. 4 (Oral) H302 |

| 4.1. Description of first aid measures | | |
|--|---|---|
| General information | : First aider: Pay attention to self-protection! | |
| After inhalation | : Provide fresh air. In case of respiratory tract | irritation, consult a physician. |
| After contact with skin | If the product contacts the skin with water, it | th water and soap. Change contaminated clothing. may leave a stain of insoluble products on the off over a period of time (hours to days). If skin /attention. |
| After contact with eyes | : IF IN EYES: Rinse cautiously with water for and easy to do. Continue rinsing. Consult ar | several minutes. Remove contact lenses, if present |
| Revision No: 1.01 | SDS ID: PUR-008 | Revision Date June 1, 2015 |
| Page 1 of 7 | US - EN (English) | Replaces Version 1.00 from 05/27/2015 |

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After ingestion If swallowed, rinse mouth with water (only if the person is conscious). Call a physician immediately. 4.2. Most important symptoms and effects, both acute and delayed Following inhalation: Coughing, asthmatic complaints. Repeated and prolonged contact may aggravate asthma and dermatitis. After skin contact: Irritation and reddening. Skin rashes. Following eye contact: Irritation and reddening. Causes serious eye irritation. After ingestion: May cause irritation of the gastrointestinal mucosa, abdominal pain, vomiting and diarrhea. 4.3. Indication of any immediate medical attention and special treatment needed : Treat symptomatically. SECTION 5: Firefighting measures Extinguishing media 5.1. Suitable extinguishing media : Coordinate firefighting measures to the fire surroundings. Unsuitable extinguishing media : None known. Special hazards arising from the substance or mixture 5.2. : The material is not combustible. When involved in a fire, the sodium permanganate component may release corrosive fumes. Contains an oxidizing substance (potassium permanganate). The product is considered to have no oxidizing properties and it should be classified as "not oxidizing" and "Not Division 5.1" following UN Handbook. A test according to UN Handbook 34.4.1 and GHS was performed and confirms this statement. 5.3. Advice for firefighters : Wear a NIOSH approved self-contained breathing apparatus and chemical protective clothing. 5.4. **Additional information** : Suppress gases/vapors/mists with water sprav jet. Contaminated firefighting water must be collected separately. Do not allow to enter into surface water or drains. **SECTION 6: Accidental release measures** 6.1 Personal precautions, protective equipment and emergency procedures : Provide adequate ventilation. Avoid generation of dust. Do not breathe dust. Avoid contact with skin, eyes and clothes. Wear personal protection equipment. 6.2. **Environmental precautions** : Do not allow to enter into surface water or drains. If contacted by water, the sodium permanganate may leach out and the water may turn pink to purple in color. Sodium bisulfite will clarify the water, but will give off sulfur dioxide vapors and should only be used in well ventilated areas. 6.3. Methods and material for containment and cleaning up Pick up dry. Take up mechanically. Avoid generation of dust. Treat the recovered material as prescribed in the section on waste disposal. 6.4. **Reference to other sections** : Protection measures in accordance with section 8. Disposal in accordance with section 13. **SECTION 7: Handling and storage** 7.1. Precautions for safe handling : Avoid generation of dust. Use air conveying (vacuum) for bulk removal. If manual handling is Advice on safe handling used for transfer (from vessel, slingbags, boxes, or pails), avoid crushing the product to keep dusting to a minimum, use mechanical ventilation or other measures to remove airborne dust. Conditions for safe storage, including any incompatibilities 7.2. Store only in original container. Keep container tightly closed in a cool, well-ventilated place. Requirements for storage rooms and vessels Protect from water and exposure to contaminated air (gaseous, particulate, and aerosol contaminated), otherwise the product may be rendered useless.

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Further information on storage conditions

- : Recommended packaging materials:
 - Corrugated double wall boxes with plastic liners.
 - Injection molded polystyrene pails and lids including a neoprene seal.

7.3. Specific end use(s)

: Dry granular medium for use in gas-phase air filtration.

| SECTION 8: Exposure cor | ntrols/personal protection | | |
|--------------------------------------|---|--|--|
| 8.1. Control parameters | | | |
| Aluminum oxide (1344-28-1) | | | |
| OSHA C | OSHA PEL (TWA) (mg/m³) | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction) | |
| 8.2. Exposure controls | | | |
| Appropriate engineering controls | : If handled uncovered, arrange breathe dust. | ements with local exhaust ventilation have to be used. Do not | |
| Protective and hygiene measures | : Remove contaminated, satura : When using, do not eat or dri | ated clothing immediately. After work, wash hands and face. nk. | |
| Eye and face protection | : Tightly fitting safety glasses w | vith side shields. | |
| Hand protection | : Wear suitable gloves. Suitable material: NR (nat Thickness of glove materi Penetration time (maximu The quality of the protecti | Protect skin by using skin protective cream. Wear suitable gloves. Suitable material: NR (natural rubber (India rubber, caoutchouc), natural latex). Thickness of glove material: >= 0.1 mm Penetration time (maximum wearing period): >480 Min. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. | |
| Skin protection | : Full cover clothing covering a | rms and legs. | |
| Respiratory protection | | , accidental release of substances, occupational exposure limit is piratory protection is required. Observe the wear time limits. tification color: white | |
| SECTION 9: Physical and | chemical properties | | |
| 9.1. Information on basic p | hysical and chemical properties | | |
| Physical state (appearance) | | extruded pellets or granules, $\frac{1}{16}$ - $\frac{1}{4}$ " (1.6 – 6.4 mm) in diameter | |
| Color | : Pink to purple (violet) and bla | ck | |
| Odor | : No specific odor | | |
| Odor threshold | : No data available | | |
| рН | : 6.3 | | |
| Changes in the physical state | | | |
| Melting point/freezing point | : No data available | | |
| Initial boiling point and boiling ra | nge : No data available | | |
| Flash point | : No data available | | |

: No data available

Flammability

Evaporation rate

| Solid | : No data available |
|---------------------------|---------------------|
| Upper/lower flammability | : No data available |
| Explosive properties | |
| Lower explosion limit | : No data available |
| Upper explosion limit | : No data available |
| Ignition temperature | : No data available |
| Auto-ignition temperature | |
| Solid | : No data available |
| | |

Decomposition temperature Oxidizing properties

: No data available : The product is considered to have no oxidizing properties and it should be classified as "not oxidizing" and "Not Division 5.1" following UN Handbook. A test according to UN Handbook

34.4.1 and GHS was performed and confirms this statement.

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| Vapor pressure | : No data available |
|------------------------------|--|
| Vapor density | : No data available |
| Relative density | : ca. 40 lb/ft ³ , 0.6400 g/cc, 640 kg/m ³ |
| Water Solubility | : Partially soluble |
| Solubility in other solvents | : No data available |
| Soluble in | : Concentrated acids, alkalis |
| Partition coefficient | |
| n-octanol/water | : No data available |
| Viscosity, dynamic | : No data available |
| Viscosity, kinematic | : No data available |
| | |

9.2. **Other information**

: No data available.

| SECTION 10: Stability and reactivity | | |
|--------------------------------------|------------------------------------|---|
| 10.1. | Reactivity | |
| | | : No dangerous reactivity under normal conditions. |
| 10.2. | Chemical stability | |
| | | : The product is stable under regular conditions. |
| 10.3. | Possibility of hazardous reactions | |
| | | : May occur in contact with: acids, strong oxidizing agents. |
| 10.4. | Conditions to avoid | |
| | | : Liquid water, moisture. Heat sources, open flames and other ignition sources. |
| 10.5. | Incompatible materials | |
| | | : Acids, strong oxidizing agents. |
| 10.6. | Hazardous decomposition products | |
| | | : Sodium permanganate may liberate corrosive fumes if involved in a fire. Carbon monoxide and carbon dioxide may be generated during combustion of this material. |

| SECTI | SECTION 11: Toxicological information | | |
|-------|---------------------------------------|--|--|
| 11.1. | Information on toxicological effects | | |
| Δlumi | Aluminum oxide (1344-28-1) | | |

| Aluminum oxide (1344-28-1) | |
|------------------------------------|----------------------------|
| LD ₅₀ oral rat | > 5,000 mg/kg |
| Carbon (7440-44-0) | |
| LD ₅₀ oral rat | > 10,000 mg/kg |
| Sodium bicarbonate (144-55-8) | |
| LD ₅₀ oral rat | 4,220 mg/kg |
| ATE US (oral) | 4,220.000 mg/kg bodyweight |
| Potassium permanganate (7722-64-7) | |
| LD ₅₀ oral rat | 750 mg/kg |
| ATE US (oral) | 500.000 mg/kg bodyweight |

| SECT | ION 12: Ecological information | on | |
|----------|--------------------------------|----------------------|----------------------------|
| 12.1. | Toxicity | | |
| | | : No data available. | |
| 12.2. | Persistence and degradability | | |
| | | : No data available. | |
| 12.3. | Bioaccumulative potential | | |
| | | : No data available. | |
| 12.4. | Mobility in soil | | |
| | | : No data available. | |
| Devision | No. 1.01 | | Devision Data Juna 1, 2015 |

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| 12.5. | | |
|--|--|--|
| | Results of PBT and vPvB assessment | The components in this mixture do not meet the criteria for classification as PBT or vPvB. |
| 2.6. | Other adverse effects | |
| | | No data available. |
| ECT | ION 13: Disposal considerations | |
| 3.1. | Waste treatment methods | |
| | | : Waste disposal should be in accordance with existing federal, state, and local environmental control regulations. Spent media that has removed toxic chemicals should be examined for specific hazards. Spilled product may be recovered for use if it has not come in contact with liquid, changed color, or been exposed to significant amounts of gaseous contaminants. |
| isposa | al of residues/unused products | Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an approved waste disposal plant. Avoid release to the environment. |
| isposa | al of packaging | Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an approved waste disposal plant. Avoid release to the environment. |
| SECT | ION 14: Transport information | |
| 4.1. | Land transport (DOT) | |
| JN num | | None on finished product. |
| | per shipping name | Not regulated. |
| | ort hazard classes group | None on finished product. |
| | | No |
| | | |
| 4.2. | Water transport (IMDG / IMO) | |
| JN num | | None on finished product. |
| | | Not regulated. |
| | | None on finished product. |
| | | None on finished product. |
| | politiant | . 180 |
| 4.3. | Air transport (IATA / ICAO) | |
| JN num | | None on finished product. |
| | | Not regulated. |
| | ort hazard classes | None on finished product. None on finished product. |
| Packing | | None of finished product. |
| name j | politicant | |
| | | |
| | Environmental hazards | |
| | | : No |
| Inviron | mentally hazardous | : No |
| Inviron | mentally hazardous Special precautions for user | No Special precautions known. |
| Environ 1 4.5. | mentally hazardous Special precautions for user | |
| 14.5. SECT | Mentally hazardous Special precautions for user ION 15: Regulatory information | |
| Environ 14.5. SECT 15.1. US All cor | mentally hazardous Special precautions for user ION 15: Regulatory information S Federal regulations | |
| All cor Contro Chemi | mentally hazardous Special precautions for user ION 15: Regulatory information S Federal regulations mponents of this product are listed, or excluded Act (TSCA) inventory. | No special precautions known. |
| 4.5. SECT 5.1. US All cor Contro Chemi 1986 a | mentally hazardous Special precautions for user ION 15: Regulatory information S Federal regulations mponents of this product are listed, or exclu- ol Act (TSCA) inventory. ical(s) subject to the reporting requirements | No special precautions known. Ided from listing, on the United States Environmental Protection Agency Toxic Substances |
| 4.5. ECT 5.1. US All cor Contro Chemi 1986 a Alumi | mentally hazardous Special precautions for user ION 15: Regulatory information S Federal regulations mponents of this product are listed, or exclu- ol Act (TSCA) inventory. ical(s) subject to the reporting requirements and 40 CFR Part 372. | No special precautions known. Ided from listing, on the United States Environmental Protection Agency Toxic Substances |
| All cor Contro Chemi 1986 a Alumi Listed | mentally hazardous Special precautions for user ION 15: Regulatory information S Federal regulations mponents of this product are listed, or exclu- ol Act (TSCA) inventory. ical(s) subject to the reporting requirements and 40 CFR Part 372. inum oxide (1344-28-1) | No special precautions known. Ided from listing, on the United States Environmental Protection Agency Toxic Substances |
| Alumi Listed SARA | mentally hazardous Special precautions for user ION 15: Regulatory information S Federal regulations mponents of this product are listed, or exclu- ol Act (TSCA) inventory. ical(s) subject to the reporting requirements and 40 CFR Part 372. inum oxide (1344-28-1) on United States SARA Section 313 | No special precautions known. uded from listing, on the United States Environmental Protection Agency Toxic Substances is of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of |
| 4.5. SECT 5.1. US All cor Contro Chemi 1986 a Alumi Listed SARA Potas | mentally hazardous Special precautions for user ION 15: Regulatory information S Federal regulations mponents of this product are listed, or exclu- ol Act (TSCA) inventory. ical(s) subject to the reporting requirements and 40 CFR Part 372. mum oxide (1344-28-1) on United States SARA Section 313 Section 313 - Emission Reporting | No special precautions known. Ided from listing, on the United States Environmental Protection Agency Toxic Substances s of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1.0 % (fibrous forms) |
| 4.5. SECT 5.1. US All cor Contro Chemi 1986 a Alumi Listed SARA Potasa RQ (R | mentally hazardous Special precautions for user ION 15: Regulatory information S Federal regulations mponents of this product are listed, or exclu- ol Act (TSCA) inventory. iccal(s) subject to the reporting requirements and 40 CFR Part 372. mum oxide (1344-28-1) on United States SARA Section 313 Section 313 - Emission Reporting sium permanganate (7722-64-7) Reportable quantity, section 304 of EPA's Lie | No special precautions known. Ided from listing, on the United States Environmental Protection Agency Toxic Substances s of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1.0 % (fibrous forms) |
| All corr Contro Contro Chemi 1986 a Alumi Listed SARA Potas: RQ (R 5.2. In | mentally hazardous Special precautions for user ION 15: Regulatory information S Federal regulations mponents of this product are listed, or exclu- ol Act (TSCA) inventory. ical(s) subject to the reporting requirements and 40 CFR Part 372. inum oxide (1344-28-1) on United States SARA Section 313 Section 313 - Emission Reporting sium permanganate (7722-64-7) Reportable quantity, section 304 of EPA's Li ternational regulations | No special precautions known. Ided from listing, on the United States Environmental Protection Agency Toxic Substances s of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1.0 % (fibrous forms) |
| Alumi Listed SARA Potass RQ (R CANAD | mentally hazardous Special precautions for user ION 15: Regulatory information S Federal regulations mponents of this product are listed, or exclu- bl Act (TSCA) inventory. ical(s) subject to the reporting requirements and 40 CFR Part 372. inum oxide (1344-28-1) on United States SARA Section 313 . Section 313 - Emission Reporting sium permanganate (7722-64-7) Reportable quantity, section 304 of EPA's Li ternational regulations DA | No special precautions known. Ided from listing, on the United States Environmental Protection Agency Toxic Substances s of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1.0 % (fibrous forms) |
| Alumi Alumi Alumi Listed SARA Potas: RQ (R 5.2. In CANAD Alumi | mentally hazardous Special precautions for user ION 15: Regulatory information S Federal regulations mponents of this product are listed, or exclu- bl Act (TSCA) inventory. ical(s) subject to the reporting requirements and 40 CFR Part 372. inum oxide (1344-28-1) on United States SARA Section 313 Section 313 - Emission Reporting sium permanganate (7722-64-7) reportable quantity, section 304 of EPA's Li ternational regulations DA inum oxide (1344-28-1) | No special precautions known. Ided from listing, on the United States Environmental Protection Agency Toxic Substances s of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1.0 % (fibrous forms) st of Lists) 100 lb |
| Alumi Listed Alumi Listed | mentally hazardous Special precautions for user ION 15: Regulatory information Federal regulations mponents of this product are listed, or exclu- ol Act (TSCA) inventory. ical(s) subject to the reporting requirements and 40 CFR Part 372. inum oxide (1344-28-1) on United States SARA Section 313 . Section 313 - Emission Reporting sium permanganate (7722-64-7) Reportable quantity, section 304 of EPA's Li ternational regulations DA inum oxide (1344-28-1) on the Canadian DSL (Domestic Substance) | No special precautions known. Ided from listing, on the United States Environmental Protection Agency Toxic Substances s of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1.0 % (fibrous forms) st of Lists) 100 lb ses List) |
| Environ 14.5. SECT 15.1. US All cor Contro Chemi 1986 a Alumi Listed SARA Potas RQ (R 15.2. Int CANAD Alumi Listed WHMI | mentally hazardous Special precautions for user ION 15: Regulatory information S Federal regulations mponents of this product are listed, or exclu- bl Act (TSCA) inventory. ical(s) subject to the reporting requirements and 40 CFR Part 372. mum oxide (1344-28-1) on United States SARA Section 313 Section 313 - Emission Reporting sium permanganate (7722-64-7) teportable quantity, section 304 of EPA's Li ternational regulations DA mum oxide (1344-28-1) on the Canadian DSL (Domestic Substance S Classification | : No special precautions known. Ided from listing, on the United States Environmental Protection Agency Toxic Substances is of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1.0 % (fibrous forms) ist of Lists) 100 lb res List) Uncontrolled product according to WHMIS classification criteria |
| All cor Contro Contro Contro Contro Chemi 1986 a Alumi Listed SARA Potas RQ (R 5.2. In CANAD Alumi Listed WHMI | mentally hazardous Special precautions for user ION 15: Regulatory information S Federal regulations mponents of this product are listed, or exclu- ol Act (TSCA) inventory. ical(s) subject to the reporting requirements and 40 CFR Part 372. mum oxide (1344-28-1) on United States SARA Section 313 Section 313 - Emission Reporting sium permanganate (7722-64-7) teportable quantity, section 304 of EPA's Li ternational regulations DA mum oxide (1344-28-1) on the Canadian DSL (Domestic Substance S Classification No: 1.01 | No special precautions known. Ided from listing, on the United States Environmental Protection Agency Toxic Substances s of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1.0 % (fibrous forms) st of Lists) 100 lb ses List) |

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|--|---|
| | |
| Carbon (7440-44-0) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |
| Sodium bicarbonate (144-55-8) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |
| Potassium permanganate (7722-64-7) | |
| Listed on the Canadian DSL (Domestic Sustances List) | |
| WHMIS Classification | Class C - Oxidizing Material Class E - Corrosive Material |
| U-Regulations | |
| | |

Aluminum oxide (1344-28-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Carbon (7440-44-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Sodium bicarbonate (144-55-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Potassium permanganate (7722-64-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) 15.2.2. National regulations

Aluminum oxide (1344-28-1)

Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Canadian IDL (Ingredient Disclosure List)

Carbon (7440-44-0)

Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Sodium bicarbonate (144-55-8)

Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Potassium permanganate (7722-64-7)

Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Japanese Pollutant Release and Transfer Register Law (PRTR Law) Listed on the Canadian IDL (Ingredient Disclosure List) Listed on INSQ (Mexican national Inventory of Chemical Substances) Listed on Turkish inventory of chemical

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

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SECTION 16: Other information

Abbreviations and acronyms ACGIH: American Conference Of Governmental Industrial Hygienists ATE: acute toxicity estimate CAS: Chemical Abstracts Service CLP: Classification, Labeling, Packaging DOT: United States Department of Transportation DNEL: Derived No Effect Level EC_{50} : median effective concentration for immobilization ErC_{50} : effective concentration of a substance that causes 50% reduction in growth rate GHS: Globally Harmonized System of Classification and Labeling of Chemicals IATA: International Air Transport Association ICAO: International Civil Aviation Organization IMDG: International Maritime Code for Dangerous Goods IMO: International Maritime Organization LC₅₀: Lethal concentration, 50% of test population OECD: Organization for Economic Co-operation and Development LD₅₀: Lethal dose, 50% of test population PNEC: Predicted No Effect Concentration STOT: Specific Target Organ Toxicity TLV: Threshold Limiting Value

TWA-TLV: Threshold Limit Value for the Time Weighted Average 8 hour day (ACGIH Standard)

Full text of H-statements:

| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
|---------------------|-----------------------------------|
| Ox. Sol. 2 | Oxidizing Solids, Category 2 |
| H272 | May intensify fire; oxidiser |
| H302 | Harmful if swallowed |

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.