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| 1.2 | Product Product Synony Relevan | Code: Name: | | | | 0 | | |
|-------------|---|---|--|---|---|---|--|--|
| 1.2 | Product Synony | Name: | transepsilonViniferin 5-[(2R,3R)-2,3-dihydro-6 | -hydroxy-2-(4-hydro | oxyphenyl)-4-[(1E)- | .2-(4-hydroxynhenyl)ethenyll-3-h | | |
| | Relevan | | Name: transepsilonViniferin | | | | | |
| 1.3 | | t identified uses of | f the substance or mixture a | and uses advised a | against: | | | |
| 1.3 | Releva | ant identified uses: | : For research use only, ne | ot for human or vete | erinary use. | | | |
| | Details of the Supplier of the Safety Data Sheet: | | | | | | | |
| | Company Name:Cayman Chemical Co1180 E. Ellsworth Rd.Ann Arbor, MI 48108 | | | bany | | | | |
| | | ite address: | www.caymanchem.com | | | 1)074 0005 | | |
| | Inform | | Cayman Chemical Comp | bany | +1 (73 | 4)971-3335 | | |
| 1.4 | Emergency telephone number: Emergency Contact: CHEMTREC Within US | | nber: CHEMTREC Within USA | and Canada: | +1 (80 | 0)424-9300 | | |
| | | | CHEMTREC Outside US | SA and Canada: | +1 (70 | 3)527-3887 | | |
| | | | Section 2. Ha | zards Identifi | ication | | | |
| 2.2 | GHS S GHS F Based GHS F No phi GHS S Please Advers | Precaution Phrases rases apply. Response Phrases rases apply. Storage and Dispos e refer to Section 7 f e Human Health and Symptoms: | sal Phrases: for Storage and Section 13 for Material may be irritating to t May be harmful by inhalation May cause eye, skin, or resp | r Disposal information he mucous membra n, ingestion, or skin piratory system irrita e, the toxicological p | on. anes and upper res absorption. ation. properties have not | spiratory tract. t been thoroughly investigated. | | |
| CAS # | # / | 1 | • | Concentration | EC No./ | GHS Classification | | |
| RTEC | | REACH Registrat | onents (Chemical Name)/ ion No. | Concentration | EC NO./ EC Index No. | GHS Classification | | |
| 62218 NA | 8-08-0 | transepsilonVinifer | in | 100.0 % | NA NA | No data available. | | |

Multi-region format



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| | | Section 4. First Aid Measures |
|-----|-------------------------------------|---|
| 4.1 | Description of First Aid | |
| | Measures: | |
| | In Case of Inhalation: | Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention. |
| | In Case of Skin Contact: | Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse. |
| | In Case of Eye Contact: | Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel. |
| | In Case of Ingestion: | Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel. |
| | | Section 5. Fire Fighting Measures |
| 5.1 | Suitable Extinguishing | Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. |
| | Media: | Use water spray to cool fire-exposed containers. |
| | Unsuitable Extinguishing Media: | A solid water stream may be inefficient. |
| 5.2 | Flammable Properties an Hazards: | d No data available. |
| | | No data available. |
| | Flash Pt: | No data. |
| | Explosive Limits: | LEL: No data. UEL: No data. |
| | Autoignition Pt: | No data. |
| 5.3 | Fire Fighting Instructions | : As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes. |
| | | Section 6. Accidental Release Measures |
| 6.1 | Protective Precautions, | Avoid raising and breathing dust, and provide adequate ventilation. |
| | Protective Equipment an | d As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, |
| | Emergency Procedures: | and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves). |
| 6.2 | Environmental | Take steps to avoid release into the environment, if safe to do so. |
| | Precautions: | |
| 6.3 | | r Contain spill and collect, as appropriate. |
| | | gTransfer to a chemical waste container for disposal in accordance with local regulations. |
| | Up: | |
| | | Section 7. Handling and Storage |
| 7.1 | Precautions To Be Taken | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| | in Handling: | Avoid prolonged or repeated exposure. |
| 7.2 | Precautions To Be Taken | Keep container tightly closed. |
| | in Storing: | Store in accordance with information listed on the product insert. |
| L | Sec | tion 8. Exposure Controls/Personal Protection |
| 8.1 | Exposure Parameters: | |
| | | |

Multi-region format



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| | NEMICAL | | | | | | |
|-------|--|---|--|--|--|--|--|
| 8.2 | Exposure Controls: | | | | | | |
| 8.2.1 | Engineering Controls | Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne | | | | | |
| | (Ventilation etc.): | levels below recommended exposure limits. | | | | | |
| 8.2.2 | Personal protection equipment: | | | | | | |
| | Eye Protection: Safety glasses | | | | | | |
| | Protective Gloves: Compatible chemical-resistant gloves | | | | | | |
| | Other Protective Clothing:Lab coat | | | | | | |
| | Respiratory Equipment NIOSH approved respirator, as conditions warrant. | | | | | | |
| | (Specify Type): | | | | | | |
| | Work/Hygienic/Maintenan Do not take internally. | | | | | | |
| | | Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. | | | | | |
| | | Wash thoroughly after handling. | | | | | |
| | | No data available. | | | | | |
| | Se | ection 9. Physical and Chemical Properties | | | | | |
| 9.1 | | ical and Chemical Properties | | | | | |
| 5.1 | Physical States: | []Gas []Liquid [X]Solid | | | | | |
| | Appearance and Odor: | A solid | | | | | |
| | pH: | No data. | | | | | |
| | Melting Point: | No data. | | | | | |
| | Boiling Point: | No data. | | | | | |
| | Flash Pt: | No data. | | | | | |
| | Evaporation Rate: | No data. | | | | | |
| | Flammability (solid, gas): | No data available. | | | | | |
| | | LEL: No data. UEL: No data. | | | | | |
| | Explosive Limits: | | | | | | |
| | Vapor Pressure (vs. Air or Hg): | | | | | | |
| | Vapor Density (vs. Air = 1) | No data. | | | | | |
| | Specific Gravity (Water = 1) | | | | | | |
| | Solubility in Water: | No data. | | | | | |
| | Solubility Notes: | Soluble in: DMSO; | | | | | |
| | Octanol/Water Partition | No data. | | | | | |
| | Coefficient: | No data. | | | | | |
| | Autoignition Pt: | No data. | | | | | |
| | Decomposition Temperatu | | | | | | |
| | Viscosity: | No data. | | | | | |
| 9.2 | Other Information | | | | | | |
| 9.2 | Percent Volatile: | No data. | | | | | |
| | Molecular Formula & Weig | | | | | | |
| | | | | | | | |
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| | | | | | | | |



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| | | | Section 10. Stability and | I Reactiv | /ity | | | | |
|-------------|--|-----------------|---|---------------|---------------|--------|------|--|--|
| 10.1 | Reactivit | y: | No data available. | | | | | | |
| 10.2 | Stability | : | Unstable [] Stable [X] | | | | | | |
| 10.3 | 0.3 Stability Note(s): Stable if stored in accordance with information listed on the product insert. | | | | | | | | |
| | Polymer | ization: | Will occur [] Will not occur [X] | | | | | | |
| 10.4 | Conditio | ns To Avoid: | No data available. | | | | | | |
| 10.5 | 10.5 Incompatibility - Materials strong oxidizing agents | | | | | | | | |
| | To Avoid | l: | | | | | | | |
| 10.6 | Hazardo | us | carbon dioxide | | | | | | |
| | Decomposition or | | carbon monoxide | | | | | | |
| | Byprodu | cts: | | | | | | | |
| | | | Section 11. Toxicological | Informa | ation | | | | |
| 11.1 | Informat | ion on | The toxicological effects of this product ha | ave not been | thoroughly st | udied. | | | |
| | Toxicolo | gical Effects: | | | | | | | |
| CAS | # | Hazardous Com | ponents (Chemical Name) | NTP | IARC | ACGIH | OSHA | | |
| 622 | 18-08-0 | transepsilonVi | | n.a. | n.a. | n.a. | n.a. | | |
| | | | | | | | | | |
| | | | Section 12. Ecological I | nformati | on | | | | |
| 12.1 | Toxicity: | | Avoid release into the environment. | | | | | | |
| | | | Runoff from fire control or dilution water may cause pollution. | | | | | | |
| 12.2 | Persiste | | No data available. | | | | | | |
| | Degrada | - | | | | | | | |
| 12.3 | Bioaccu | | No data available. | | | | | | |
| | Potentia | | | | | | | | |
| 12.4 | Mobility | in Soil: | No data available. | | | | | | |
| 12.5 | Results | of PBT and vPvB | 3 No data available. | | | | | | |
| assessment: | | | | | | | | | |
| 12.6 | .6 Other adverse effects: No data available. | | | | | | | | |
| | | | Section 13. Disposal Cor | nsiderati | ons | | | | |
| 13.1 | Waste D | isposal Method: | Dispose in accordance with local, state, a | nd federal re | egulations. | | | | |
| | | | Section 14. Transport I | nformati | ion | | | | |
| 14.1 | LAND T | RANSPORT (US I | DOT): | | | | | | |
| D | DOT Proper Shipping Name: | | Not dangerous goods. | | | | | | |
| D | OT Hazaro | d Class: | | | | | | | |
| U U | N/NA Num | nber: | | | | | | | |
| 14.1 | LAND T | RANSPORT (Euro | opean ADR/RID): | | | | | | |
| A | DR/RID SI | nipping Name: | Not dangerous goods. | | | | | | |
| U | N Number | : | | | | | | | |
| н | lazard Clas | SS: | | | | | | | |
| | | | | | | | | | |
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14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:

: Not dangerous goods. Transport in accordance with local, state, and federal regulations.

Additional Transport Information:

Section 15. Regulatory Information

| CAS # | Hazardous Components (Chemical Name) | | S. 302 (EHS) | S. 304 RQ | S. 313 (TRI) | |
|--------------------------------------|--------------------------------------|--|---|-----------|--------------|--|
| 62218-08-0 | transepsilonViniferin | | No | No | No | |
| CAS # | Hazardous Com | ponents (Chemical Name) | Other US EPA or State Lists | | | |
| 62218-08-0 | transepsilonViniferin | | CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No | | | |
| Regulatory Information Statement: | | This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008. | | | | |
| | | Section 16. Oth | ner Informatio | on | | |
| Revision Date: | | 08/02/2019 | | | | |
| Additional Information About | | No data available. | | | | |
| This Product: | | | | | | |
| Company Policy or Disclaimer: | | DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. | | | | |