

Safety Data Sheet SIH6200.0 Date of issue: 03/27/2014 Revision date: 01/06/2015

Version: 1.1

| SECTION 1: Identification of the subs | stance | /mixture and of the company/unde | rtaking | |
|--|---|--|-------------|--|
| 1.1. Product identifier | | | | |
| Product form | : Subs | tance | | |
| Physical state | : Liqui | d | | |
| Substance name | : 2-HY | DROXY-4-(3-TRIETHOXYSILYLPROPOXY)D | IPHENYL | KETONE, tech-90 |
| Product code | : SIH6 | 200.0 | | |
| Formula | : C22H30O6Si | | | |
| Synonyms | : 4-(3-TRIETHOXYSILYLPROPOXY)-2-HYDROXYBENZOPHENONE | | | |
| Chemical family | : ORG | ANOETHOXYSILANE | | |
| 1.2. Relevant identified uses of the subst | ance or | mixture and uses advised against | | |
| Jse of the substance/mixture | : Cher | nical intermediate esearch and industrial use only | | |
| 1.3. Details of the supplier of the safety of | lata she | et | | |
| GELEST, INC. 11 East Steel Road Morrisville, PA 19067 USA T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 <i>A</i> <u>info@gelest.com</u> - <u>www.gelest.com</u> | M - 5:30 |) PM EST | | |
| 1.4. Emergency telephone number | | | | |
| Emergency number | : CHE | MTREC: 1-800-424-9300 (USA); +1 703-527-3 | 8887 (Inter | national) |
| Classification (GHS-US) Eye Irrit. 2B H320 Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Signal word (GHS-US) Hazard statements (GHS-US) Precautionary statements (GHS-US) 2.3. Other hazards | : P305 conta P337 | hing 0 - Causes eye irritation 5+P351+P338 - IF IN EYES: Rinse cautiously v act lenses, if present and easy to do. Continue 2+P313 - If eye irritation persists: Get medical a 4 - Wash hands thoroughly after handling | rinsing | |
| Other hazards not contributing to the classification | | product contains ethanol which is classified as | a carcino | gen by IARC in alcoholic |
| 2.4. Unknown acute toxicity (GHS-US) | neve | rages. | | |
| No data available | | | | |
| SECTION 3: Composition/information | n on in | gredients | | |
| 3.1. Substance | | | | |
| Substance type | · Mon | p-constituent | | |
| lame | | DROXY-4-(3-TRIETHOXYSILYLPROPOXY)D | IPHENYI | KETONE, tech-90 |
| XAS No | : 7987 | · · · · · · · · · · · · · · · · · · · | | |
| C no | : 431-4 | | | |
| EC index no | | 102-00-7 | | |
| | . 000- | | | |
| Name | | Product identifier | % | Classification (GHS-US) |
| 2-Hydroxy-4-(3-triethoxysilylpropoxy)diphenylketone Ethanol | | (CAS No) 79876-59-8 (CAS No) 64-17-5 | > 95 | Eye Irrit. 2B, H320 Flam. Liq. 2, H225 Carc. 1A, H350 STOT SE 3, H335 |

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| 3.2. Mixture | |
|---|--|
| Not applicable | |
| SECTION 4: First aid measures | |
| 4.1. Description of first aid measures | |
| First-aid measures general | Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if no available show packaging or label. |
| First-aid measures after inhalation | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice. |
| First-aid measures after skin contact | : Wash with plenty of soap and water. |
| First-aid measures after eye contact | : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, present and easy to do. Continue rinsing. Get medical advice/attention. |
| First-aid measures after ingestion | : Never give anything by mouth to an unconscious person. Get medical advice/attention. |
| 4.2. Most important symptoms and ef | |
| Symptoms/injuries after inhalation | : May be irritating to the respiratory system. Overexposure may cause: Coughing. Headache. Nausea. |
| Symptoms/injuries after skin contact | : May cause skin irritation. |
| Symptoms/injuries after eye contact | : Causes eye irritation. |
| Symptoms/injuries after ingestion | : No information available. |
| | lical attention and special treatment needed |
| No additional information available | |
| SECTION 5: Firefighting measures | S |
| 5.1. Extinguishing media | |
| Suitable extinguishing media | : Water spray. Foam. Carbon dioxide. Dry chemical. |
| 5.2. Special hazards arising from the | substance or mixture |
| Fire hazard | : Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame. |
| 5.3. Advice for firefighters Firefighting instructions | : Use water spray to cool exposed surfaces. Exercise caution when fighting any chemical fire. |
| Protection during firefighting | |
| | : Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist. |
| SECTION 6: Accidental release me | Avoid all eye and skin contact and do not breathe vapor and mist. |
| SECTION 6: Accidental release me | Avoid all eye and skin contact and do not breathe vapor and mist. |
| SECTION 6: Accidental release mo 6.1. Personal precautions, protective | Avoid all eye and skin contact and do not breathe vapor and mist. |
| SECTION 6: Accidental release mo 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel | Avoid all eye and skin contact and do not breathe vapor and mist. |
| SECTION 6: Accidental release mo 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel Emergency procedures | Avoid all eye and skin contact and do not breathe vapor and mist. |
| SECTION 6: Accidental release mo 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders | Avoid all eye and skin contact and do not breathe vapor and mist. |
| SECTION 6: Accidental release me 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment | Avoid all eye and skin contact and do not breathe vapor and mist. easures equipment and emergency procedures : Evacuate unnecessary personnel. |
| SECTION 6: Accidental release mo 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions | Avoid all eye and skin contact and do not breathe vapor and mist. easures equipment and emergency procedures : Evacuate unnecessary personnel. |
| SECTION 6: Accidental release me 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions Prevent entry to sewers and public waters. No | Avoid all eye and skin contact and do not breathe vapor and mist. easures equipment and emergency procedures : Evacuate unnecessary personnel. : Equip cleanup crew with proper protection. otify authorities if liquid enters sewers or public waters. |
| SECTION 6: Accidental release mediate 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions Prevent entry to sewers and public waters. No 6.3. Methods and material for contain | Avoid all eye and skin contact and do not breathe vapor and mist. easures equipment and emergency procedures : Evacuate unnecessary personnel. : Equip cleanup crew with proper protection. otify authorities if liquid enters sewers or public waters. |
| SECTION 6: Accidental release mo 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions Prevent entry to sewers and public waters. No 6.3. Methods and material for contain Methods for cleaning up | Avoid all eye and skin contact and do not breathe vapor and mist. easures equipment and emergency procedures : Evacuate unnecessary personnel. : Equip cleanup crew with proper protection. otify authorities if liquid enters sewers or public waters. ment and cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or |
| SECTION 6: Accidental release mediate 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. 6.1.2. For emergency responders Protective equipment 6.2. 6.2. Environmental precautions Prevent entry to sewers and public waters. No 6.3. Methods and material for contain Methods for cleaning up 6.4. Reference to other sections | Avoid all eye and skin contact and do not breathe vapor and mist. easures equipment and emergency procedures : Evacuate unnecessary personnel. : Equip cleanup crew with proper protection. otify authorities if liquid enters sewers or public waters. mment and cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. |
| SECTION 6: Accidental release mediate 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. 6.1.2. For emergency responders Protective equipment 6.2. 6.3. Methods and material for contain Methods for cleaning up 6.4. Reference to other sections See Heading 8. Exposure controls and person | Avoid all eye and skin contact and do not breathe vapor and mist. easures equipment and emergency procedures : Evacuate unnecessary personnel. : Equip cleanup crew with proper protection. otify authorities if liquid enters sewers or public waters. ment and cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. ment protection. |
| SECTION 6: Accidental release mediate 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. 6.1.2. For emergency responders Protective equipment 6.2. 6.2. Environmental precautions Prevent entry to sewers and public waters. Note: 6.3. Methods and material for contain Methods for cleaning up 6.4. Reference to other sections See Heading 8. Exposure controls and person SECTION 7: Handling and storage | Avoid all eye and skin contact and do not breathe vapor and mist. easures equipment and emergency procedures : Evacuate unnecessary personnel. : Equip cleanup crew with proper protection. otify authorities if liquid enters sewers or public waters. ment and cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. ment protection. |
| SECTION 6: Accidental release me 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions Prevent entry to sewers and public waters. No 6.3. Methods and material for contain Methods for cleaning up 6.4. Reference to other sections See Heading 8. Exposure controls and person SECTION 7: Handling and storage 7.1. Precautions for safe handling | Avoid all eye and skin contact and do not breathe vapor and mist. easures equipment and emergency procedures Evacuate unnecessary personnel. Equip cleanup crew with proper protection. otify authorities if liquid enters sewers or public waters. ment and cleaning up Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. mal protection. |
| SECTION 6: Accidental release meta 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. 6.1.2. For emergency responders Protective equipment 6.2. 6.2. Environmental precautions Prevent entry to sewers and public waters. Note: 6.3. Methods and material for contain Methods for cleaning up 6.4. Reference to other sections See Heading 8. Exposure controls and person SECTION 7: Handling and storage 7.1. Precautions for safe handling Precautions for safe handling | Avoid all eye and skin contact and do not breathe vapor and mist. easures equipment and emergency procedures : Evacuate unnecessary personnel. : Equip cleanup crew with proper protection. otify authorities if liquid enters sewers or public waters. ment and cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. mal protection. Use only in well ventilated areas. Avoid all eye and skin contact and do not breathe vapor and |
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| SECTION 6: Accidental release mediate 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions Prevent entry to sewers and public waters. Notestation of the section of the sections See Heading 8. Exposure controls and person SECTION 7: Handling and storage 7.1. Precautions for safe handling Precautions for safe handling Hygiene measures 7.2. Conditions for safe storage, include | Avoid all eye and skin contact and do not breathe vapor and mist. easures equipment and emergency procedures : Evacuate unnecessary personnel. : Equip cleanup crew with proper protection. otify authorities if liquid enters sewers or public waters. ment and cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. mal protection. Use only in well ventilated areas. Avoid all eye and skin contact and do not breathe vapor and mist. Vash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. |
| SECTION 6: Accidental release me 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions Prevent entry to sewers and public waters. No 6.3. Methods and material for contain Methods for cleaning up 6.4. Reference to other sections See Heading 8. Exposure controls and person SECTION 7: Handling and storage 7.1. Precautions for safe handling Precautions for safe handling Hygiene measures | Avoid all eye and skin contact and do not breathe vapor and mist. easures equipment and emergency procedures : Evacuate unnecessary personnel. : Equip cleanup crew with proper protection. otify authorities if liquid enters sewers or public waters. ment and cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. mal protection. : Use only in well ventilated areas. Avoid all eye and skin contact and do not breathe vapor and mist. : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. uding any incompatibilities |

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| | | : Store in a well-ventilated place | e. Store away from heat. | | |
|--|--------------------|--|---|--|--|
| 7.3. Specific end use | e(s) | | | | |
| No additional information a | vailable | | | | |
| SECTION 8: Exposu | re controls/per | sonal protection | | | |
| 8.1. Control paramet | | | | | |
| • | | | | | |
| Ethanol (64-17-5) USA ACGIH | ACGIH STEL | (ppm) | 1000 ppm | | |
| USA NIOSH | | , | | | |
| | | (TWA) (mg/m ³) | 1900 mg/m ³ | | |
| USA NIOSH | NIOSH REL | | 1000 ppm | | |
| USA OSHA | OSHA PEL (| TWA) (mg/m³) | 1900 mg/m³ | | |
| USA OSHA | OSHA PEL (| TWA) (ppm) | 1000 ppm | | |
| USA IDLH | US IDLH (pp | m) | 3300 ppm (10% LEL) | | |
| 8.2. Exposure contro | ols | | | | |
| Appropriate engineering co | ontrols | : Provide local exhaust or gener | al room ventilation. | | |
| Personal protective equipm | nent | | s and safety showers should be available in the immediate | | |
| | | vicinity of any potential exposi- | ire. Avoid all unnecessary exposure. | | |
| Hand protection | | · Neopropo or pitrilo rubbor do | | | |
| Hand protection Eve protection | | : Neoprene or nitrile rubber glov | | | |
| Skin and body protection | | : Wear suitable protective clothi | Chemical goggles. Contact lenses should not be worn. | | |
| Respiratory protection | | - | Wear suitable protective clothing. NIOSH-certified organic vapor (black cartridge) respirator. | | |
| | | | | | |
| SECTION 9: Physica | al and chemical | properties | | | |
| 9.1. Information on b | basic physical and | chemical properties | | | |
| Physical state | | : Liquid | | | |
| Appearance | | : Clear liquid. | | | |
| Molecular mass | | : 418.56 g/mol | | | |
| Color | | : Straw. Amber. | | | |
| Odor | | : Mild. | | | |
| Odor threshold | | : No data available | | | |
| Refractive index | | : 1.545 @ 25°C | | | |
| | рН | | | | |
| • | | : No data available | | | |
| Relative evaporation rate (k | butyl acetate=1) | : No data available | | | |
| Relative evaporation rate (b Melting point | butyl acetate=1) | : No data available : No data available | | | |
| Relative evaporation rate (b Melting point Freezing point | butyl acetate=1) | : No data available : No data available : < 0 °C | | | |
| Relative evaporation rate (b Melting point Freezing point Boiling point | butyl acetate=1) | No data available No data available < 0 °C > 100 °C @ 5 mm Hg | | | |
| Relative evaporation rate (b Melting point Freezing point Boiling point Flash point | butyl acetate=1) | No data available No data available < 0 °C > 100 °C @ 5 mm Hg > 110 °C | | | |
| Relative evaporation rate (t Melting point Freezing point Boiling point Flash point Auto-ignition temperature | | No data available No data available < 0 °C > 100 °C @ 5 mm Hg > 110 °C No data available | | | |
| Relative evaporation rate (t Melting point Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature | | No data available No data available < 0 °C > 100 °C @ 5 mm Hg > 110 °C No data available No data available | | | |
| Relative evaporation rate (b Melting point Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas) | | No data available No data available < 0 °C > 100 °C @ 5 mm Hg > 110 °C No data available No data available No data available No data available | | | |
| Relative evaporation rate (b Melting point Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas) Vapor pressure | e | No data available No data available < 0 °C > 100 °C @ 5 mm Hg > 110 °C No data available No data available No data available < 1 mm Hg | | | |
| Relative evaporation rate (b Melting point Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas) Vapor pressure Relative vapor density at 20 | e | No data available No data available < 0 °C > 100 °C @ 5 mm Hg > 110 °C No data available No data available No data available < 1 mm Hg < 1 | | | |
| Relative evaporation rate (t Melting point Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas) Vapor pressure Relative vapor density at 20 Relative density | e | No data available No data available < 0 °C > 100 °C @ 5 mm Hg > 110 °C No data available No data available No data available < 1 mm Hg > 1 > 1 | | | |
| Relative evaporation rate (t Melting point Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas) Vapor pressure Relative vapor density at 20 Relative density Solubility | e | No data available No data available < 0 °C > 100 °C @ 5 mm Hg > 110 °C No data available No data available No data available < 1 mm Hg > 1 1.12 Reacts with water. | | | |
| Relative evaporation rate (b Melting point Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas) Vapor pressure Relative vapor density at 20 Relative density Solubility Log Pow | e | No data available No data available < 0 °C > 100 °C @ 5 mm Hg > 110 °C No data available No data available No data available < 1 mm Hg > 1 1.12 Reacts with water. No data available | | | |
| Relative evaporation rate (t Melting point Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas) Vapor pressure Relative vapor density at 20 Relative density Solubility Log Pow Log Kow | e | No data available No data available < 0 °C > 100 °C @ 5 mm Hg > 110 °C No data available No data available No data available < 1 mm Hg > 1 1.12 Reacts with water. No data available No data available No data available | | | |
| Relative evaporation rate (t Melting point Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas) Vapor pressure Relative vapor density at 20 Relative density Solubility Log Pow Log Kow Viscosity, kinematic | e | No data available No data available < 0 °C > 100 °C @ 5 mm Hg > 110 °C No data available No data available No data available < 1 mm Hg > 1 1.12 Reacts with water. No data available No data available No data available | | | |
| Relative evaporation rate (t Melting point Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas) Vapor pressure Relative vapor density at 20 Relative density Solubility Log Pow Log Kow Viscosity, kinematic Viscosity, dynamic | e | No data available No data available < 0 °C > 100 °C @ 5 mm Hg > 110 °C No data available No data available No data available < 1 mm Hg > 1 1.12 Reacts with water. No data available No data available No data available < 1 mm Hg > 1 1.12 Reacts with water. No data available | | | |
| Relative evaporation rate (t Melting point Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas) Vapor pressure Relative vapor density at 20 Relative density Solubility Log Pow Log Kow Viscosity, kinematic | e | No data available No data available < 0 °C > 100 °C @ 5 mm Hg > 110 °C No data available No data available No data available < 1 mm Hg > 1 1.12 Reacts with water. No data available No data available No data available | | | |

9.2. Other information

No additional information available

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| SECTION 10: Stability and reactivity | | | |
|---|--|--|--|
| 10.1. Reactivity | | | |
| No additional information available | | | |
| 10.2. Chemical stability | | | |
| Stable in sealed containers. | | | |
| 10.3. Possibility of hazardous reactions | | | |
| Reacts with water and moisture in air, liberating ethanol. | | | |
| 10.4. Conditions to avoid | | | |
| Heat. Sparks. Open flame. | | | |
| 10.5. Incompatible materials | | | |
| Water. Moisture. | | | |
| 10.6. Hazardous decomposition products | | | |
| Ethanol. Organic acid vapors. | | | |
| SECTION 11: Toxicological informatic | n | | |
| 11.1. Information on toxicological effects | | | |
| | : Not classified | | |
| Ethanol (64-17-5) | | | |
| LC50 inhalation rat (mg/l) | 124.7 mg/l/4h | | |
| Skin corrosion/irritation | : Not classified | | |
| Serious eye damage/irritation | : Causes eye irritation. | | |
| Respiratory or skin sensitization | : Not classified | | |
| Germ cell mutagenicity | : Not classified | | |
| Carcinogenicity | : Not classified | | |
| Ethanol (64-17-5) | | | |
| IARC group | 1 - Carcinogenic to humans | | |
| Reproductive toxicity | Not classified | | |
| Specific target organ toxicity (single exposure) | Not classified | | |
| Specific target organ toxicity (repeated exposure) | Not classified | | |
| Aspiration hazard | Not classified | | |
| Symptoms/injuries after inhalation | : May be irritating to the respiratory system. Overexposure may cause: Coughing. Headache. Nausea. | | |
| Symptoms/injuries after skin contact | : May cause skin irritation. | | |
| Symptoms/injuries after eye contact | : Causes eye irritation. | | |
| Symptoms/injuries after ingestion | : No information available. | | |
| SECTION 12: Ecological information | | | |
| 12.1. Toxicity | | | |
| Ethanol (64-17-5) | | | |
| LC50 fish 1 | 12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) | | |
| EC50 Daphnia 1 | | | |
| | 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) | | |
| LC50 fish 2 | 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) | | |
| EC50 Daphnia 2 | 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) | | |
| | 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) | | |
| EC50 Daphnia 2 12.2. Persistence and degradability | 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) | | |
| EC50 Daphnia 2 12.2. Persistence and degradability No additional information available | 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) | | |
| EC50 Daphnia 2 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential | 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) | | |
| EC50 Daphnia 2 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential Ethanol (64-17-5) | 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) | | |
| EC50 Daphnia 2 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential Ethanol (64-17-5) Log Pow | 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) | | |
| EC50 Daphnia 2 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential Ethanol (64-17-5) Log Pow 12.4. Mobility in soil | 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) | | |

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| Effect on ozone layer : No additional information available Effect on the global warming : No known ecological damage caused by this product. SECTION 13: Disposal considerations : No known ecological damage caused by this product. 13.1. Waste treatment methods Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility. Ecology - waste materials : Avoid release to the environment. | | | | |
|--|--|--|--|--|
| SECTION 13: Disposal considerations 13.1. Waste treatment methods Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility. | | | | |
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| contents/container to licensed waste disposal facility. | | | | |
| Ecology - waste materials : Avoid release to the environment. | | | | |
| | | | | |
| SECTION 14: Transport information | | | | |
| 14.1. UN number | | | | |
| Not regulated for transport. | | | | |
| 14.2. UN proper shipping name | | | | |
| Not applicable | | | | |
| 14.3. Additional information | | | | |
| Other information : No supplementary information available. | | | | |
| | | | | |
| | | | | |
| Transport by sea | | | | |
| No additional information available | | | | |
| Air transport | | | | |
| No additional information available | | | | |
| SECTION 15: Regulatory information | | | | |
| 15.1. US Federal regulations | | | | |
| 2-Hydroxy-4-(3-triethoxysilylpropoxy)diphenylketone (79876-59-8) | | | | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | | | | |
| Ethanol (64-17-5) | | | | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | | | | |
| 15.2. International regulations | | | | |
| 2-Hydroxy-4-(3-triethoxysilylpropoxy)diphenylketone (79876-59-8) | | | | |
| Listed on ELINCS (European List of Notified Chemical Substances) | | | | |
| Ethanol (64-17-5) | | | | |
| Listed on IARC (International Agency for Research on Cancer) | | | | |
| Listed on the AICS (Australian Inventory of Chemical Substances) | | | | |
| Listed on the Canadian DSL (Domestic Sustances List) | | | | |
| Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) | | | | |
| 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) | | | | |
| | | | | |
| 15.3. US State regulations | | | | |
| 2-HYDROXY-4-(3-TRIETHOXYSILYLPROPOXY)DIPHENYLKETONE, tech-90(79876-59-8) | | | | |
| U.S California - Proposition 65 - Carcinogens List No | | | | |
| U.S California - Proposition 65 - Developmental No Toxicity | | | | |
| U.S California - Proposition 65 - Reproductive No Toxicity - Female | | | | |
| U.S California - Proposition 65 - Reproductive No Toxicity - Male | | | | |

| 2-Hydroxy-4-(3-triethoxysilylpropoxy)diphenylketone (79876-59-8) | | | | |
|--|--|---|---|--------------------------------------|
| U.S California - Proposition 65 - Carcinogens List | U.S California - Proposition 65 - Developmental Toxicity | U.S California - Proposition 65 - Reproductive Toxicity - Female | U.S California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| No | No | No | No | |

Safety Data Sheet

| Ethanol (64-17-5) | | | | | |
|---|--|--|--|--------------------------------------|--|
| U.S California - Proposition 65 - Carcinogens List | U.S California - Proposition 65 - Developmental Toxicity | U.S California - Proposition 65 - Reproductive Toxicity - Female | U.S California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) | |
| Yes | Yes | No | No | | |
| Ethanol (64-17-5) | | | | | |
| U.S Connecticut - Hazardo U.S Idaho - Non-Carcinoge U.S Idaho - Non-Carcinoge U.S Idaho - Occupational E U.S Maine - Chemicals of I U.S Massachusetts - Allow U.S Massachusetts - Allow U.S Massachusetts - Oil & U.S Massachusetts - Three U.S Missachusetts - Three U.S Missachusetts - Three U.S Minnesota - Chemicals U.S Minnesota - Chemicals U.S Minnesota - Chemicals U.S Minnesota - Permissib U.S New Hampshire - Reg U.S New Hampshire - Reg U.S New Jersey - Right to U.S New Jersey - Special I U.S New York - Occupation U.S New York - Occupation U.S North Dakota - Air Pol U.S Oregon - Permissible I U.S Tennessee - Occupati U.S Tenas - City of Austin U.S Texas - Effects Screer U.S Texas - Effects Screer U.S Vermont - Permissible | enic Toxic Air Pollutants - Emis Exposure Limits - TWAs High Concern vable Ambient Limits (AALs) vable Threshold Concentrations Hazardous Material List - Groi Hazardous Material List - Groi Hazardous Material List - Soil Hazardous Material List - Soil To Know List shold Effects Exposure Limits - tal Exposure Limits - TWAs s of High Concern s Substance List le Exposure Limits - TWAs ulated Toxic Air Pollutants - Ar ulated Toxic Air Pollutants - Ar Know Hazardous Substances Li nal Exposure Limits - TWAs lutants - Guideline Concentrati Exposure Limits - TWAs Right to Know) List onal Exposure Limits - TWAs Right to Know) List - Aerosol Paint and Glue Restro- ning Levels - Long Term Exposure Limits - TWAs ible Exposure Limits - TWAs | eptable Ambient Concentrations sision Levels (ELs) s (ATCs) undwater Reportable Concentra ortable Quantity Reportable Concentration - Re Reportable Concentration - Re (TELs) mbient Air Levels (AALs) - 24-H mbient Air Levels (AALs) - 24-H mbient Air Levels (AALs) - Annu ist st ons - 1-Hour | ation - Reporting Category 1 ation - Reporting Category 2 porting Category 1 porting Category 2 | | |

SECTION 16: Other information

Abbreviations and acronyms

: Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemcial Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development.

Full text of H-phrases::

| Carc. 1A | Carcinogenicity Category 1A |
|---------------|---|
| Eye Irrit. 2B | Serious eye damage/eye irritation Category 2B |
| Flam. Liq. 2 | Flammable liquids Category 2 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H225 | Highly flammable liquid and vapor |
| H320 | Causes eye irritation |
| H335 | May cause respiratory irritation |
| H350 | May cause cancer |

HMIS III Rating

: 2 Moderate Hazard - Temporary or minor injury may occur

: 1 Slight Hazard

Health

Safety Data Sheet

Physical

: 1 Slight Hazard

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SDS US (GHS HazCom 2012) - Custom

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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