

DYSPROSIUM ACETATE, hydrate

Safety Data Sheet CXDY010 Date of issue: 11/01/2016 Version: 1.0

| SECTION 1: Identification | |
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| 1.1. Product identifier | |
| Product name | : DYSPROSIUM ACETATE, hydrate |
| Product code | : CXDY010 |
| Product form | : Substance |
| Physical state | : Solid |
| Formula | : C6H9DyO6·xH2O |
| Synonyms | : ACETIC ACID, DYSPROSIUM SALT |
| Chemical family | : RARE EARTH COMPOUND |
| 1.2. Recommended use of the chemical | and restrictions on use |
| Recommended use | : Chemical intermediate For research use only |
| 1.3. Details of the supplier of the safety | data sheet |
| GELEST, INC. 11 East Steel Road Morrisville, PA 19067 USA T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 info@gelest.com - www.gelest.com | |
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| 0,1 | CHEMTREC: 1 800 424 0200 (USA): 11 702 527 2887 (International) |
| Emergency number | : CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International) |
| SECTION 2: Hazard(s) identification | |
| 2.1. Classification of the substance or r | nixture |
| GHS-US classification | |
| Serious eye damage/eye irritation Category 2A | H319 |
| Full text of H statements : see section 16 | |
| 2.2. Label elements | |
| GHS-US labeling | |
| Hazard pictograms (GHS-US) | |
| | GHS07 |
| Signal word (GHS-US) | : Warning |
| Hazard statements (GHS-US) | : H319 - Causes serious eye irritation |
| Precautionary statements (GHS-US) | P280 - Wear protective gloves/protective clothing/eye protection/face protection P264 - Wash hands thoroughly after handling P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention |
| 2.3. Hazards not otherwise classified (H | INOC) |
| No additional information available | |
| 2.4. Unknown acute toxicity (GHS US) | |
| No data available | |
| SECTION 3: Composition/Information | on on ingredients |
| 3.1. Substance | |
| Substance type | : Mono-constituent |
| Name | : DYSPROSIUM ACETATE, hydrate |
| CAS No | : 15280-55-4 |
| Name | Product identifier % GHS-US classification |

| 3.2. Mixture Not applicable | |
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| 4.1. Description of first aid measure | as a second s |
| 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. Get medical advice/attention. |
| 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 | effects, both acute and delayed |
| Symptoms/injuries after inhalation | : May cause irritation to the respiratory tract. |
| Symptoms/injuries after skin contact | : May cause skin irritation. |
| Symptoms/injuries after eye contact | : Causes serious eye irritation. |
| Symptoms/injuries after ingestion | : No information available. |
| 4.3. Indication of any immediate me | edical attention and special treatment needed |
| No additional information available | |
| SECTION 5: Firefighting measure | es |
| 5.1. Extinguishing media | |
| Suitable extinguishing media | : Water spray. Foam. Carbon dioxide. Dry chemical. |
| Unsuitable extinguishing media | : None known. |
| 5.2. Special hazards arising from th | ne 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 | : Exercise caution when fighting any chemical fire. Use water spray to cool exposed surfaces. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. Avoid contact with skin and eyes. Do not breathe dust. |
| SECTION 6: Accidental release n | neasures |
| 6.1. Personal precautions, protectiv | ve equipment and emergency procedures |
| 6.1.1. For non-emergency personnel | |
| | |
| | : Wear protective equipment as described in Section 8. |
| Protective equipment | Wear protective equipment as described in Section 8. Evacuate unnecessary personnel. |
| Protective equipment Emergency procedures | |
| Protective equipment Emergency procedures 6.1.2. For emergency responders Protective equipment | |
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| Storage conditions | : Keep container tightly closed. Store in sealed containers away from direct sunlight. |
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| ncompatible materials | : Oxidizing agent. Phosphates. Soluble carbonates. Sulfuric acid. |
| Storage area | : Store in a well-ventilated place. Store away from heat. |
| SECTION 8: Exposure controls/pe | sonal protection |
| 3.1. Control parameters | |
| No additional information available | |
| 8.2. Exposure controls | |
| Appropriate engineering controls | : Provide local exhaust or general room ventilation. |
| Personal protective equipment | : Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. |
| Hand protection | : Neoprene or nitrile rubber gloves. |
| Eye protection | : Chemical goggles. Contact lenses should not be worn. |
| Skin and body protection | : Wear suitable protective clothing. |
| Respiratory protection | : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified dust and mist (teal cartridge) respirator. |
| SECTION 9: Physical and chemica | properties |
| 9.1. Information on basic physical and | chemical properties |
| Physical state | : Solid |
| Appearance | : Powder. |
| Molecular mass | : 339.64 g/mol |
| Color | : Off-white. |
| Ddor | : Characteristic. Acetic acid. |
| Odor threshold | : No data available |
| Refractive index | : No data available |
| ы | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Melting point | : > 150 °C decomposes |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| /apor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : >1 |
| /OC content | : <3% |
| Solubility | : Insoluble in water. |
| Log Pow | : No data available |
| Log Kow | : No data available |
| /iscosity, kinematic | : No data available |
| /iscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |
| Explosion limits | : No data available |
| 0.2. Other information | |
| No additional information available | |

10.1. Reactivity

No additional information available

| 10.2. Chemical stability | |
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| Stable at room temperature. | |
| 10.3. Possibility of hazardous reactions | |
| No additional information available | |
| 10.4. Conditions to avoid | |
| Direct sunlight. | |
| 10.5. Incompatible materials | |
| Oxidizing agent. Phosphates. Soluble carbonate | es. Sulfuric acid |
| 10.6. Hazardous decomposition product | |
| Dysprosium oxide fumes. Organic acid and orga | |
| | |
| SECTION 11: Toxicological informa | |
| 11.1. Information on toxicological effects | s . Not classified |
| Acute toxicity | |
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation Respiratory or skin sensitization | : Causes serious eye irritation. : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| | None of the components in this product at concentrations >0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen |
| 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 cause irritation to the respiratory tract. |
| Symptoms/injuries after skin contact | : May cause skin irritation. |
| Symptoms/injuries after eye contact | : Causes serious eye irritation. |
| Symptoms/injuries after ingestion | No information available. |
| Reason for classification | : Expert judgment |
| SECTION 12: Ecological information | n |
| 12.1. Toxicity | |
| No additional information available | |
| 12.2. Persistence and degradability | |
| No additional information available | |
| 12.3. Bioaccumulative potential | |
| No additional information available | |
| 12.4. Mobility in soil | |
| No additional information available | |
| 40 F 0// | |
| 12.5. Other adverse effects | · No additional information quailable |
| Effect on ozone layer | : No additional information available |
| Effect on the global warming | : No known effects from this product. |
| GWPmix comment | : No known effects from this product. |
| SECTION 13: Disposal consideratio | ne |
| 13.1. Waste treatment methods | |
| Sewage disposal recommendations | : Do not dispose of waste into sewer. |
| Waste disposal recommendations | : Dispose of solid materials or residues at a licensed site. Dispose in a safe manner in |
| | accordance with local/national regulations. |
| Faalaay, waata matariala | . Avoid release to the environment |

Print date: 11/01/2016

: 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 SECTION 15: Regulatory information 15.1. US Federal regulations DYSPROSIUM ACETATE, hydrate (15280-55-4) TSCA Exemption/Exclusion CAUTION: This material is supplied for research and development purposes subject to the R&D exemption under TSCA, 40 CFR 720.36, and must meet the impedienties of the semption, incluing supervised, and the upided in the United States Dysprosium acetate, hydrate (15280-55-4) TSCA Exemption/Exclusion CAUTION: This material for "commercial purposes" as defined by 40 CFR 720.3(r) is not permitted in the United States Dysprosium acetate, hydrate (15280-55-4) Not issted on the United States TSCA (Toxic Substances Control Act) inventory 15.2. International regulations Dysprosium acetate, hydrate (15280-55-4) Not additional information available Evaluation Dysprosium acetate, hydrate (15280-55-4) Not listed on the United States TSCA (Toxic Substances Control Act) inventory |
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| CANADA No additional information available EU-Regulations No additional information available National regulations No additional information available 15.3. US State regulations No additional information available |
| No additional information available |
| |
| |
| |
| SECTION 16: Other information |
| Full text of H-phrases:: |
| H319 Causes serious eye irritation |
| 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 an 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; GHS: The Globally Harmonized System of Classification and Labelling. |
| HMIS III Rating Health : 2 Moderate Hazard - Temporary or minor injury may occur |
| Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, |
| solids and semi solids having a flash point above 200 F. (Class IIIB) |
| Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NO react with water, polymerize, decompose, condense, or self-react. Non-Explosives. |

Prepared by safety and environmental affairs.

DYSPROSIUM ACETATE, hydrate

Safety Data Sheet

Date of issue: 11/01/2016 Version: 1.0

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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