



Centre Anti-Poison pour le Québec: (800) 463-5060

Tél. (Qc): (418) 660-8666 / 800-890-8666


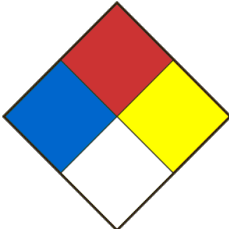
Fax. (Qc): (418) 660-8998

SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|---|------------------------------------|---|---|
| Product Identifier 2',7'-DICHLOROFLUORESCEIN | | Product Use Laboratory use | |
| Chemical formula C ₂₀ H ₁₀ Cl ₂ O ₅ | | Product code DR-0155 | Molar weight 401,2 |
| Chemical name / Commercial name / Synonymous Dichloro-2',7' fluorescéine, 2',7'-Dichloro-3',6'-dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 2-(2,7-dichloro-6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoic acid, Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 2',7'-dichloro-3',6'-dihydroxy | | | |
| Supplier's name Laboratoire MAT | | Address-Street 610, Adanac Street | |
| City Québec | | Province Québec | |
| Postal code G1C 7B7 | Internet www.labmat.com | Phone number 418-660-8666 / 800-890-8666 | |
| Emergency phone | CANUTEC: 613-996-6666 | | CENTRE ANTI-POISON DU QUÉBEC 800-463-5060 |
| Date SDS 11/17/2022 | SDS Prepared by Laboratoire MAT | E-Mail labmat@labmat.com | |

SECTION 02 - HAZARDS IDENTIFICATION

| | |
|---|---|
| Classification WHIMS / GHS | Skin corrosion/irritation - Skin irritation category 2 Specific target organ toxicity - Single exposure category 3 Serious eye damage/eye irritation - Eye irritation category 2 |
| Signal Word | WARNING |
| Hazards statements (H) | H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. |
| Precautionary statements (P) | P261 Avoid breathing dust / fume / gas / mist / vapors / spray. P264 Wash the areas of the body that have been in contact with the product after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P321 Specific treatment (see section 4 of the SDS and on this label). P332 + P313 If skin irritation occurs: Get medical advice/attention. P337 + P313 If eye irritation persists: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company. |
| PICTOGRAMS |  |
| Other dangers | NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme) |
|  | Health 2 Fire 1 Reactivity 0 Special danger |

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

| Ingrédients (Dénomination chimique / synonymes) | Numéro CAS et tout identificateur unique | Concentration (%) |
|---|--|-------------------|
| 2',7'-Dichlorofluorescéine | 76-54-0 | <=100% |

SECTION 04 - FIRST AID MEASURES

| | |
|--|---|
| Eye contact | Wash eyes with large amounts of water for at least 15 minutes while holding eyelids apart to rinse eyes. If irritation persists, seek medical attention. |
| Skin contact | Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. If irritation persists, seek medical attention. |
| Inhalation | Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician. |
| Ingestion | If the person is conscious, give water to drink. Never give anything by mouth to an unconscious person. Consult a physician. |
| Most important symptoms and effects (acute and delayed) | Main symptoms of high exposure: Skin, eye and respiratory system irritation. To our knowledge, the chemical, physical and toxicological properties have not been fully investigated. Ref. section 11. |
| Immediate medical attention and special treatment, if necessary | In case of medical consultation, keep this sheet available. |
| General advice | Show this safety data sheet to the doctor in attendance. |

SECTION 05 - FIREFIGHTING MEASURES

| | |
|--|--|
| Flammability | No |
| Ignition conditions | Non flammable. But remains combustible. Fine dust in sufficient concentration may be combustible, or explode if confined to a small space and subject to a source of ignition. |
| Suitable extinguishing media | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Unsuitable extinguishing media | Data not available. |
| Hazardous combustion products | Hazardous combustion products formed under fire conditions: - Carbon oxides, Hydrogen chloride gas. |
| Special fire and explosion hazards | Fine dust in the air can ignite. Thermal decomposition can lead to the emission of irritating gases and vapors. Keep product and empty containers away from heat and sources of ignition. May react violently with incompatible products (Ref Section 10). |
| Special protective equipment and precautions for firefighters | Discard incompatible substances if this can be done without risk. Firefighters should be equipped with standard protective equipment, fireproof clothing, face mask, gloves, protective boots and, where appropriate, self-contained breathing apparatus. |

SECTION 06 - ACCIDENTAL RELEASE MEASURES

| | |
|--|--|
| Methods and materials for containment and cleaning up / Personnel precautions, protective equipment | Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Pick up with a shovel or broom, taking care not to scatter dust. Dispose of residues in a container provided for the disposal of hazardous materials. Do not let product enter drains. |
|--|--|

SECTION 07 - HANDLING AND STORAGE

| | |
|------------------------------------|---|
| Conditions for safe storage | Keep containers tightly closed in a dry, well-ventilated place. Keep container tightly closed and store away from heat, moisture, and incompatible products. |
| Methods of handling | Wear personal protective equipment for the face. Provide appropriate exhaust ventilation at places where dust is formed. Avoid dust formation. Avoid contact with the skin, eyes and clothes. Avoid ingestion and inhalation. |

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace control parameters

| Components | CAS-No. | Control | Value | Basis |
|---------------------------|---------|----------------|-------------------|---|
| 2',7'-Dichlorofluorescein | 76-54-0 | TLV, TWA, STEL | No data available | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL) |
| | | TLV, TWA, STEL | No data available | Canada. British Columbia OEL |
| | | TLV, TWA, STEL | No data available | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |

| | |
|----------------------------|--|
| Ventilation | Use fan. |
| Respiratory | If the permissible levels are exceeded, use a mechanical filter / cartridge against NIOSH vapors or a respirator with air supply. |
| Gloves | Handle with gloves. |
| Eyes | Safety goggles with safety shutters. |
| Shoes | Safety shoes. |
| Clothing | Labcoat. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. |
| Engineering control | Have safety showers and eyewash stations in the workplace in case of an emergency and a ventilation system to maintain the level of concentrations in the air below the exposure limit values. |

SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| Physical state | Solid. |
| Appearance | Poudre de couleur Ambre (orange ou jaune).- |
| Odour | Inodore. |
| Odour threshold | Data not available |
| pH | Donnée non disponible.. |
| Melting point / Freezing point | 280 °C / 536 °F- |
| Initial boiling point | Data not available |
| Boiling range | Data not available |
| Flash point | Data not available |
| Evaporation rate | Data not available |
| Flammability | No |
| Lower flammable / Explosive limit | Data not available |
| Upper flammable / Explosive limit | Data not available |
| Vapour pressure | Data not available |
| Vapour density | Data not available |
| Relative density | 0.790 gm3- |
| Solubility | Peu soluble dans l'eau.. |
| Partition coefficient water/n-octanol | Data not available |
| Auto-ignition temperature | Data not available |
| Decomposition temperature | > 280°C- |
| Viscosity | Data not available |

SECTION 10 - STABILITY AND REACTIVITY

| | |
|--|--|
| Reactivity | May react violently with incompatible substances. |
| Chemical stability | Stable under recommended storage conditions. |
| Possibility of hazardous reactions | Stable under normal conditions. May react violently with incompatible substances. |
| Conditions of instability (Including sensitivity to shock / static discharge / vibration) | Avoid dust formation. Incompatible products. Excess heat. |
| Incompatible material | Strong oxidizing agents, strong acids. |
| Hazardous decomposition products | Hazardous decomposition products formed under fire conditions. Carbon monoxide (CO), Carbon dioxide (CO ₂), Chlorine, Hydrogen chloride gas. |

SECTION 11 - TOXICOLOGICAL INFORMATION

2',7'-DICHLOROFLUORESCIN

| | |
|--|---|
| Routes of exposure | Ingestion, inhalation, skin and eyes. |
| Acute exposition effects / symptoms: | By exposure route below. |
| - Eyes | May cause eye irritation. |
| - Skin | May cause skin irritation. |
| - Inhalation | May cause respiratory tract irritation. |
| Acute toxicity (Ingestion) | To our knowledge, the product has not been fully studied. |
| Chronic exposure effects / symptoms | To our knowledge, the chemical, physical and toxicological properties have not been fully investigated. |
| DL50 (specify species and route of entry) | LD50 Dermal - Data not available. LD50 Dermal: Data not available. |
| CL50 (specify species and route of entry) | LC50 - Inhalation - Data not available. |

SECTION 12 - ECOLOGICAL INFORMATION

| | |
|--------------------------------------|--|
| Ecotoxicity | Do not throw residues in the sewer. |
| Persistence and degradability | Soluble in water. Persistence is unlikely based on the information provided. |
| Bioaccumulative potential | Data not available. |
| Mobility in soil | Probable mobility in the environment due to its solubility in water. |
| Other adverse effects | Data not available. |

SECTION 13 - DISPOSAL CONSIDERATIONS

| | |
|-------------------------------|--|
| Waste Disposal Method | Dispose of contents / container in accordance with local / regional / national / international regulations / or contact a specialist waste disposal company. |
| Contaminated Packaging | Dispose of as unused product. |

SECTION 14 - TRANSPORT INFORMATION

| | |
|-----------------------------------|-----|
| UN Number | N/R |
| UN Proper shipping name | |
| Transport hazard class(es) | |
| Packing group | |
| Limited quantity index | |
| ERAP Index | |
| Special precautions | |

SECTION 15 - REGULATORY INFORMATION

| | |
|--------------|--|
| WHIMS CANADA | Skin corrosion/irritation - Skin irritation category 2 Specific target organ toxicity - Single exposure category 3 Serious eye damage/eye irritation - Eye irritation category 2 |
|--------------|--|

SECTION 16 - OTHER INFORMATION

Further information

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It does not represent any guarantee of the properties of the product. Laboratoire MAT Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

Last Update: 11/17/2022