

Issue date: 08-Feb-2018


Date prepared: 08-Feb-2018

Version: 2

1. Identification of the Substance/Preparation and of the Company/Undertaking

- (a) **Product name:**
Product identifier: NittoPhase@HL 2'-Fluoro dA XXX Solid Support
- (b) **Other means of identification:**
Product Code: P544-00002
- (c) **Recommended Use:** Resin
- (d) **Supplier Address:** KINOVATE LIFE SCIENCES, INC.
501 Via Del Monte, Oceanside, CA 92058, U.S.A.
TEL.+1-760-435-7042 FAX.+1-760-435-7050

2. Hazards Identification

- (a) **GHS – Classification**
- (b) **Label elements:** **Hazard Statement: Warning**
- Pictogram:**
- 
- Precautionary Statements – Response:** N/A
- (c) **Other Hazards:** May be harmful in contact with skin.
- (d) **Numerical measures of toxicity: (such as acute toxicity estimates)** No information available.

3. Composition/information on Ingredients

Product Classification: **Substance**
* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures

- (a) **General information**
- If inhaled:** Remove to fresh air.
Give artificial respiration if victim is not breathing.
- Eyes:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- Skin:** Immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Ingestion:** No information available.
- (b) **Most important symptoms/effects, acute and delayed:** No information available.
- (c) **Self-protection of the first aider:** No information available.

5. Fire-fighting measures

- (a) **Fire extinguishing agent:** Carbon dioxide (CO2)
Extinguishing powder
Foam

- (b) **Special exposure hazards in a fire:** Wear positive pressure self-contained breathing apparatus and full protective equipment.
- (c) **Special protective equipment and precautions for firefighters:** In the event of fire, wear self-contained breathing apparatus.

6. Accidental release measures

- (a) **Personal Precautions:** Avoid contact with eyes and skin.
Protective equipment and emergency procedures: Be sure to wear protectors during work to avoid its direct contact to the skin.
- (b) **Environmental precautions:** No information available.
- (c) **Methods and material for containment and cleaning up:** No information available.

7. Handling and Storage

- (a) **Precautions for safe handling:** Use only with adequate ventilation and in closed systems.
- (b) **Storage Conditions:** Keep containers tightly closed in a dry, well-ventilated place.

8. Exposure Controls/Personal Protection

- (a) **Control parameters:** N/A
- (b) **Appropriate engineering controls:** Ensure adequate ventilation, especially in confined areas.
- (c) **Personal protective equipment [PPE]:**
Respiratory Protection: Wear respiratory protection, such as a dust mask or cartridge respirator.
Eye protection: Safety goggles.
Hand Protection: Wear protective nitrile rubber gloves.
Skin protection: Wear protective nitrile rubber gloves.

9. Physical and Chemical Properties

- 9.1. **Information on basic physical and chemical properties**
- (a) **Physical State:** Powder
- (b) **Paint:** White to off-white
- (c) **Odor:** Slight
- (d) **pH:** No data available.
- (e) **Melting point / Freezing point:** No data available.
- (f) **Boiling point / boiling range:** No data available.
- (g) **Flash Point:** No data available.
- (h) **Evaporation rate:** N/A
- (i) **Flammability (solid, gas)** Flammable solid
- (j) **Upper/lower flammability or explosive limits:**
Upper: No data available.
Lower: No data available.
- (k) **Vapor pressure:** No data available.
- (l) **Vapor density:** No data available.
- (m) **Specific gravity:** No data available.
- (n) **Solubility:** Insoluble
- (o) **Partition coefficient:** No data available.
- (p) **Autoignition temperature:** No data available.
- (q) **Decomposition temperature:** No data available.
- (r) **Kinematic viscosity:** No data available.
- (s) **Molecular weight:** No data available.
- 9.2. **Other information:** N/A

10. Stability and Reactivity

- (a) **Reactivity:** Polymerization or decomposition occur in contact with strong acid or strong alkali.
- (b) **Chemical stability:** Stable under normal conditions of use and storage.
- (c) **Possibility of Hazardous Reactions:** May react vigorously with strong acid, strong alkali, and oxidizing agent on contact, and generate toxic gas.

- (d) **Conditions to avoid:** Extremes of temperature and direct sunlight.
(e) **Incompatible materials:** Strong acids
Bases
Amines
(f) **Hazardous decomposition products:** Organic gasses such as carbon monoxide and carbon dioxide.
Hydrogen chloride

11. Toxicological Information

- (a) **Information on likely routes of exposure:**
Inhalation: May be harmful by inhalation.
Ingestion: May be harmful if swallowed.
Skin: May cause skin irritation to sensitive individuals.
Eyes: Avoid contact with eyes.
- (b) **Most important symptoms/effects, acute and delayed:** No information available.
- (c) **Delayed and immediate effects and also chronic effects from short- and long-term exposure:**
Acute Toxicity: No information available.
- (d) **Numerical measures of toxicity (such as acute toxicity estimates):** No information available.
- (e) **Carcinogenicity:** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

12. Ecological Information

- (a) **Ecotoxicity:** No information available.
- (b) **Persistence and degradability:** No information available.
- (c) **Bioaccumulation:** No information available.
- (d) **Other adverse effects:** No information available.

13. Disposal Considerations

Waste treatment methods:

Disposal of wastes:

Dispose of in accordance with federal, state and local regulations. The Customer is responsible for the proper disposal of any waste generated as a result of the use of the Product or of the Product itself, and is responsible for complying with all applicable laws, rules and regulations relating to the management, storage, treatment, shipment and disposal of such waste or Product ("Waste Management Practices"). "Product" includes anything sold by Nitto Denko Corporation and/or any affiliates or subsidiaries ("Company") to Customer. The Company is not responsible for any of the Customer's Waste Management Practices. As part of those practices, Customer must separate packaging from Product before disposal. Further, Customer should review and comply with this SDS prior to any such disposal. Customer shall hold harmless the Company, its agents, contractors, successors and assigns from any and all liability, claims, loss, damage, death or injury, including reasonable attorney's fees and costs, arising out of or relating to Customer's Waste Management Practices

Contaminated packaging:

See Disposal of Wastes.

14. Transport Information

- National regulations:** Not regulated.

15. Regulatory information

US Federal Regulations: Not regulated.

US State Regulations:
California Proposition 65: Not regulated.

U.S. State Right-to-Know Regulations: Not regulated.

REACH 7 Article 33 Article SVHC notification (>0.1wt%): Not regulated.

16. Other information

NFPA	Health Hazards: 0	Flammability: 0	Instability: 0	Physical and Chemical Properties: 0
HMIS	Health Hazards: 0	Flammability: 0	Physical Hazards: 0	Personal protective equipment: X

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Source Information: Raw material SDS
 LOLI(Chem ADVISOR) GHS classification data

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End of Material Safety Data Sheet