

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product name: DMT-2'Fluoro-dUPhosphoramidite

Catalog No.: CGIURP-9154

CAS No.: 146954-75-8

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, manufacture of substances.

Details of the supplier of the safety datasheet

Company: ChemGenes India Pvt. Ltd.
207, Regency Plaza,
5-A, Park Road, Lucknow-226001
E-mail: info@chemgenesindia.com

Emergency telephone number

Emergency Phone No.: +91-8687421036

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, oral (Category 4),

H302 Skin corrosion/irritation

(Category 2), H315

Serious eye damage/eye irritation (Category 2A), H319

Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3), H335

GHS Label elements, including precautionary statements

Pictogram



Signal word Warning

Hazard statement (s)

H302 Harmful if
swallowed

H315 Causes skin irritat
ion

H319 Causes serious eye
irritation H335 May cause
respiratory irritation

Precautionary statement(s)

Prevention

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

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.

P330 Rinse mouth.

P362+P364 Take off contaminated clothing and wash it before re use.

Storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.

Disposal

P501 Dispose of contents/container to in accordance with local regulation.

Other hazards

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Synonyms: 2'-F-dUPhosphoramidite

Formula: C₃₉H₄₆FN₄O₈P

Molecular Weight: 748.78

CAS No.: 146954-75-8

4. FIRST AID MEASURES

Description of first aid

measures Eye contact

Remove any contact lenses, locate eye-wash station, and flush eyes immediately with large amounts of water. Separate eye lids with fingers to ensure adequate flushing. Promptly call a physician.

Skin contact

Rinse skin thoroughly with large amounts of water. Remove contaminated clothing and shoes and call a physician.

Inhalation

Immediately relocate self or casualty to fresh air. If breathing is difficult, give cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.

Ingestion

Wash out mouth with water; Do NOT induce vomiting; call a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2).

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Use water spray, dry chemical, foam, and carbon dioxide fire extinguisher.

Special hazards arising from the substance or mixture

During combustion, may emit irritant fumes.

Advice for firefighters

Wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use full personal protective equipment. Avoid breathing vapors, mist, dust or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Refer to protective measures listed in sections 8.

Environmental precautions

Try to prevent further leakage or spillage. Keep the product away from drains or water courses.

Methods and materials for containment and cleaning up

Absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders);

Decontaminate surfaces and equipment by scrubbing with alcohol; Dispose of contaminated material according to Section 13.

Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid inhalation, contact with eyes and skin. Avoid dust and aerosol formation. Use only in areas with appropriate exhaust ventilation.

Conditions for safe storage, including any incompatibilities

Keep container tightly sealed in cool, well-ventilated area. Keep away from direct sunlight and sources of ignition. Recommended storage temperature: Storage temp. -20°C

Shipping at room temperature if less than 2 weeks.

Specific end use(s)

No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with work place control parameters

This product contains no substances with occupational exposure limit values.

Exposure controls

Engineering

controls

Ensure adequate ventilation. Provide accessible safety shower and eye wash station.

Personal protective equipment

Eye protection

Safety goggles with side-shields.

Hand protection

Protective gloves.

Skin and body protection

Impervious clothing.

Respiratory protection

Suitable respirator.

Environmental exposure controls

Keep the product away from drains,
water courses or the soil.

Clean spillages in a safe way as soon as possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Solid

Odor

No data available

Odor threshold

No data available

pH

No data available

Melting/freezing point

No data available

Boiling point/range

No data available

Flashpoint

No data available

Evaporation rate

No data available

Vapor density

No data available

Relative density

No data available

Water Solubility

No data available

Partition coefficient

No data available

Auto-ignition temperature

No data available

Decomposition temperature

No data available

Viscosity

No data available

Explosive properties

No data available

Oxidizing properties

No data available

Other safety information

No data available

Flammability (solid, gas)

No data available

Upper/lower flammability or explosive limits

No data available

Vapor pressure

No data available

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available.

Conditions to avoid

No data available.

Incompatible materials

Strong acids/alkalis, strong oxidizing/reducing agents.

Hazardous decomposition products

Under fire conditions, may decompose and emit toxic fumes. Other decomposition products - no data available.

11. TOXICOLOGICAL INFORMATION

Information on toxicological

effects acute toxicity

Classified based on available data. Formore details, see section 2

Skin corrosion/irritation

Classified based on available data. Formore details, see section 2

Serious eye damage/irritation

Classified based on available data. Formore details, see section 2

Respiratory or skin sensitization

Classified based on available data. Formore details, see section 2

Germ cell mutagenicity

Classified based on available data. Formore details, see section 2

Carcinogenicity

IARC: No component of this product present at a level equal to or greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by ACGIH.

NTP: No component of this product present at a level equal to or greater than 0.1% is identified as a anticipated or confirmed carcinogen by NTP.

OSHA: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by OSHA.

Reproductive toxicity

Classified based on available data. Formore details, see section 2

Specific target organ toxicity-single exposure

Classified based on available data. For more details, see section 2

Specific target organ toxicity-repeated exposure

Classified based on available data. For more details, see section 2

Aspiration hazard

Classified based on available data. For more details, see section 2

Additional information

This information is based on our current knowledge. However the chemical, physical, and toxicological properties have not been completely investigated.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bio accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment unavailable as chemical safety assessment not required or not conducted.

12.6 Other adverse effects

13. DISPOSAL CONSIDERATIONS

Waste treatment

methods Product

Dispose substance in accordance with prevailing country, federal, state and local regulations.

Contaminated packaging

Conduct recycling or disposal in accordance with prevailing country, federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT (US)

Proper shipping name: Not

dangerous goods UN number: -

Class: -

Packing group: -

IMDG

Proper shipping name: Not

dangerous goods UN number: -

Class: -

Packing group: -

IATA

Proper shipping name: Not

dangerous goods UN number: -

Class: -

Packing group: -

15. REGULATORY INFORMATION

SARA302Components:

No chemicals in this material are subject to the reporting requirements of SARA TitleIII, Section302.

SARA313Components:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA311/312Hazards:

No SARA Hazards.

Massachusetts Right to Know Components:

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components:

No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know Components:

No components are subject to the New Jersey Right to Know Act.

CaliforniaProp.65Components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other re productive harm.

SECTION 16: OTHER INFORMATION

The information provided above is accurate to the best of our current knowledge but is not intended to be comprehensive and should be used solely as a reference. This product is intended for research use only and should be handled exclusively by qualified, experienced personnel. Handling must occur in properly equipped and authorized facilities. The responsibility for the safe use of this material lies entirely with the user. ChemGenes India Pvt. Ltd. disclaims all liability for any harm resulting from the handling of or contact with this product.

-----End of Safety Data Sheet-----