

SAFETY DATA SHEET

Section 1 - Identification of Substance or Mixture and Company

Product identify:

Product name: 5-Isothiocyanatofluorescein

Synonyms:

Catalog number: PI-27489

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 data sheet

Company identification: PI Chemicals Ltd.
633 Eshan Road,
Pudong New Area, Shanghai China, 201203

Telephone number: +86-21-58953700

Fax number: +86-21-58953701

E-mail address: info@pipharm.com

Emergency telephone number

Emergency number: +86-21-58953706

Section 2 - Hazards Identification

Classification of the substance or mixture:

Regulation (EC) No 1272/2008

Skin irritation Category 2

Eye irritation Category 2

Respiratory sensitization Category 1

Acute toxicity, inhalation Category 4

Label elements

Classification according to (EC) No 1272/2008



Signal word: Danger

Hazard statement(s):

H317: May cause an allergic skin reaction.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation

Precautionary statement(s)

P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves.

P285: In case of inadequate ventilation wear respiratory protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep

Sigma - F4274 Page 2 of 7

at rest in a position comfortable for breathing.

P321: Specific treatment (see supplemental first aid instructions on this label).

P333 + P313: If skin irritation or rash occurs: Get medical advice/ attention.

P363: Wash contaminated clothing before reuse.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P342 + P311: IF experiencing respiratory symptoms: call a POISON CENTER or doctor/physician.

Accroding to EU Directive 67/548/EEC or 1999/45/EC.

Symbol(s): Xn Harmful

Risk phrases:

R 36/37/38: Irritating to eyes, respiratory system and skin

Safety phrases:

S 23: Do not breathe gas/fumes/vapour/spray.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37: Wear suitable protective clothing and gloves.

HMIS classification:

Health hazard: 0

Flammability: 0

Physical hazards 0

NFPA rating:

Health hazard: 0

Fire: 0

Reactivity hazard: 0

Section 3: Composition & Information on Ingredients

Molecular formula: C₂₁H₁₁NO₅S

Molecular weight: 389.38

<i>Component</i>	<i>Concentration</i>
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CAS Number:	3326-32-7	95%
EC Number:	222-042-0	

Section 4 - First Aid Measures

- Eye:** Flush eyes with plenty of water for at least 15 minutes. Get medical aid if symptoms appear.
- Skin:** Wash skin with plenty of water at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops and persists.
- Ingestion:** Wash mouth out with water. Get medical aid immediately.
- Inhalation:** Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical aid.

Section 5 – Fire-Fighting Measures

- Extinguishing media:** Use water spray, dry chemical, carbon dioxide, or appropriate foam.
- Special hazards arising from the substance or mixture:** Carbon oxides
- Advice for firefighters:** Wear a self-contained breathing apparatus for fire fighting if necessary

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use proper personal protective equipment as indicated in Section 8.

Environmental precautions: Prevent further spillage or leakage when safe and capable

Methods and materials for containment and cleaning up:

Vacuum or sweep up material and keep in a suitable closed container for disposal. Do not flush with water.

Section 7 - Handling and Storage

Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with skin, eyes and clothes. Avoid inhalation of vapors and spray mist.

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry place. Keep tightly closed. Store at 2-8°C. Under inert atmosphere. Avoid light.

Section 8 - Exposure Controls/Personal Protection

Control parameters:

Contains no materials with occupational exposure limits.

Exposure controls:

Ensure well ventilation, good industrial hygiene and safety practice.

Personal protective equipment

Eye/Face protection:

Wear appropriate protective eyeglasses under the standards such as EN166(EU) or type ABEK(EN14387).

Skin/Body protection:

Wear appropriate protective gloves which have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN374 derived from it to prevent skin exposure. Dispose of contaminated gloves in accordance with applicable laws. Wash and dry hands.

Wear appropriate protective clothing to prevent skin exposure.

Respiratory protection:

Use an approved respirator and components under appropriate government standards such as NIOSH(US) or CEN(EU) if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9- Physical and Chemical Properties

<i>Physical state:</i>	Powder
<i>Color:</i>	Orange
<i>Odour:</i>	Weak odour
<i>Melting point/freezing point:</i>	> 360 °C
<i>Initial boiling point and boiling range:</i>	No data available
<i>Flash point:</i>	No data available
<i>Evaporation rate:</i>	No data available
<i>Flammability(solid, gas):</i>	No data available
<i>Upper/lower flammability or explosive limits:</i>	No data available
<i>Vapour pressure:</i>	No data available
<i>Vapour density:</i>	No data available
<i>Relative density:</i>	No data available
<i>Solubility:</i>	No data available
<i>Partition coefficient: n-octanol/water:</i>	No data available
<i>Auto-ignition temperature:</i>	No data available
<i>Decomposition temperature:</i>	No data available
<i>Viscosity:</i>	No data available

Section 10-Stability and Reactivity

<i>Reactivity:</i>	No data available
<i>Chemical stability:</i>	Stable under recommended temperatures and pressures.
<i>Possibility of hazardous reactions:</i>	No data available
<i>Conditions to avoid:</i>	Heat. Exposure to moisture.
<i>Incompatible materials:</i>	Strong oxidizing agents, Strong bases, Amines, Acids, Alcohols
<i>Hazard Decomposition products:</i>	Carbon monoxide(CO), Carbon dioxide(CO ₂), Nitrogen oxides (NO _x), Sulphur oxides(SO _x)

Section 11 - Toxicological Information

Acute toxicity:

Component: 5-Isothiocyanatofluorescein

LD50 No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: May cause allergic reactions.

Germ cell mutagenicity: No data available

Carcinogenicity:

Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Reproductive toxicity: No data available

Specific target organ toxicity (STOT)-single exposure: No data available

Specific target organ toxicity (STOT)-repeated exposure: No data available

Aspiration hazard: No data available

Additional information: RTECS#: not available

Section 12 – Ecological Information

Toxicity: No data available

Component: 5-Isothiocyanatofluorescein

LC50 No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Component: 5-Isothiocyanatofluorescein

Mobility in soil: No data available

Results of PBT and vPvB assessment: No data available

Other adverse effects: No data available

Section 13 - Disposal Consideration

Waste treatment methods

Product: Dispose of in accordance with federal, state and local environmental regulations

Contaminated packaging: Dispose of as unused product

Section 14 - Transport Information

IATA

Not a dangerous goods

IMDG

Not a dangerous goods

RID/ADR

Not a dangerous goods

DOT(US)

Not a dangerous goods

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

*Chemical safety assessment:*No data available

Section 16 – Other Information

SDS creation date: June 27, 2013

Update: June 27, 2013

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