

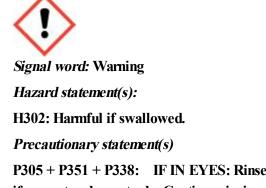
SAFETY DATA SHEET

Section 1 - Identification of Substance or Mixture and Company

Product identify:	
Product name:	2-Amino-9,9-dimethylfluorene
Synonyms:	not available
Catalog number:	PI-35111
Relevant identified uses of the s	ubstance or mixture and uses advised against
Identified uses:	Laboratory chemicals, Manufacture of substances
Details of the supplier of the sa	fety 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:	<u>info@pipharm.com</u>
Emergency telephone number	
Emergency number:	+86-21-58953706

Section 2 - Hazards Identification

Classification of the substance or mixture: Regulation (EC) No 1272/2008 Acute toxicity, Oral Category 4 Label elements Classification according to (EC) No 1272/2008



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

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



Symbol(s): Xn Harmful

Risk phrases:

R 22: Harmful if swallowed.

Safety phrases:

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
Chronic health hazard: *	
Flammability:	0
Physical hazards :	0
NFPA rating:	
Health hazard:	0
Fire:	0
Reactivity hazard:	0

Section 3: Composition & Information on Ingredients

Molecular formula:	C15H15N	
Molecular weight:	209.29	
Component		
CAS Number:	108714-73-4	

No data available

Section 4 - First Aid Measures

EC Number:

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, nitrogen oxidesAdvice for firefighters:Wear a self-contained breathing apparatus for fire fighting if necessary

Concentration

98%



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 capableMethods 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 dry, well-ventilated place. Keep tightly closed.

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

Physical state:	Powder
Color:	Off white
Odour:	No data available



Melting point/freezing point:	167-170°C
Initial boiling point and boiling range:	374.2°C at 760mmHg
Flash point:	No data available
Evaporation rate:	No data available
Flammability(solid, gas):	No data available
Upper/lower flammability	
or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	1.107g/cm3
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available

Section 10-Stability and Reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended temperatures and pressures.
Possibility of hazardous reactions:	No data available
Conditions to avoid:	No data available
Incompatible materials:	Strong oxidizing agents
Hazard Decomposition products:	Carbon oxides, nitrogen oxides

Section 11 - Toxicological Information

Acute toxicity:	No data available	
Skin corrosion/irritation:	No data available	
Serious eye damage/eye irritation:	No data available	
Respiratory or skin sensitization:	No data available	
Germ cell mutagenicity:	No data available	
Carcinogenicity:		
Not listed as a carcinogen by ACGIH, IAF	RC, 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

No data available

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Component: 2-Amino-9,9-dimethylfluorene	
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
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 methodsProduct:Dispose of in accordance with federal, state and local environmental regulationsContaminated packaging:Dispose of as unused product

Section 14 - Transport Information

IATA
Not dangerous goods
IMDG
Not dangerous goods
RID/ADR
Not dangerous goods
DOT(US)
Not 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:	May 06, 2013
Update:	Jan 20, 2014

Disclaimer:

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