

Material Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: 1-Fluoronaphthalene

CAS Number: 321-38-0

EC Number: 206-287-0

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

Identified use: SU24 Scientific research and development

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Foreschem Co.,Ltd.
A906 Huijin Building High Tech
Industry Zoom,Zibo,China
Tel:0533-3112891
Tax:0533-3112891
Email:sales@foreschem.com
www.foreschem.com

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation(EC) No 1272/2008

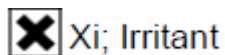


Skin Irrit. 2 H315 Causes skin irritation.

Eye irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



R36/37/38: Irritation to eyes, respiratory system and skin.

Information concerning particular hazards

for human and environment: Not applicable

Other hazards that do not result in

Classification: Not information known

2.2 Label elements

Labelling according to Regulation(EC) No 1272/2008

The substance is classified and labeled according to the CLP regulation.

Hazard statements: GHS07

Signal word: Warning

Hazard statements: H315 Causes skin irritation.

Precautionary statements

H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
P261 Avoid breathing dust/fume/gas/mist/vapours spray.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment(see on this label).
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable
VPvB: Not applicable

SECTION 3: Composition/information on ingredients

3.1 Substances

CAS# Designation: 321-38-0 1-Fluoronaphthalene
Identification Number(s): 206-287-0

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. Seek immediate medical advice.

After skin contact Instantly wash with water and soap and rinse thoroughly. Seek immediate medical advice.

After eye contact Rinse opened for several minutes under running water. Then consult doctor.

After swallowing Seek medical treatment.

4.2 Most important symptoms and effects,

Both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical

Attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

5.2 Special hazards arising from the

Substance or mixture

If this product is involved in a fire, the following can be released:

Carbon monoxide and carbon dioxide

Hydrogen fluoride (HF)

5.3 Advice for firefighters

Protective equipment:

Wear self-contained breathing apparatus.

Wear full protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.

6.2 Environmental precautions:

Do not allow material to be released to the environment without proper governmental permits.

Do not allow product to reach sewage system or water bodies.

Do not allow to enter the ground/soil.

6.3 Methods and material for containment

And cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Prevention of secondary hazards:

Keep away from ignition sources.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep containers tightly sealed.

Store in cool, dry place in tightly closed containers.

Ensure good ventilation/exhaustion at the workplace.

Information about protection against

Explosions and fires:

Keep ignition sources away – Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

No special requirements.

Information about storage in one common storage facility:

Store away from oxidizing agents.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of

technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet minute.

8.1 Control parameters

Components with critical values that require monitoring at the workplace: Not required.

Additional information: No data

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures The usual precautionary measures should be adhered to in handling the chemicals.

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with eyes and skin.

Maintain an ergonomically appropriate working environment.

Use breathing protection with high concentrations.

Breathing equipments:

Protection of hands: Check protective gloves prior to each use for their proper condition.

The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Material of gloves

Impervious gloves

Penetration time of glove material

Not determined

Eye protection:

Safely glasses

Face protection

Body protection:

Protective work clothing.

SECTION 9: Physical and chemical properties

General information

Appearance:

Form: Liquid

Colour: Colourless

Smell: Not determined

Odour threshold: Not determined

pH-value: Not determined

Change in condition

Melting point/Melting range: -10°C

Boiling point/Boiling range: 215-217°C

Sublimation temperature/start: Not determined

Flash point: 65°C

Inflammability(solid, gaseous) Not determined

Ignition temperature: Not determined

Decomposition temperature: Not determined

Self-inflammability: Not determined

Danger of explosion:	Product is not explosive.
Critical values for explosion:	
Lower:	Not determined
Upper:	Not determined
Steam pressure:	Not determined
Density at 20°C	1331 g/cm ³
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined
Solubility in/ Miscibility with	
Water:	Not miscible or difficult to mix
Partition coefficient(n-octanol/water):	Not determined
Viscosity:	
Dynamic:	Not determined
Kinematic:	Not determined
9.2 Other information	No further relevant information available

SECTION 10: Stability and reactivity

10.1 Reactivity	No information known.
10.2 Chemical stability	Stable under recommended storage conditions.
Thermal decomposition/conditions to be avoided:	No decomposition if used and stored according to specifications.
10.3 Possibility of hazardous reactions	No dangerous reactions known.
10.4 Incompatible materials:	Oxidizing agents.
10.5 Hazardous decomposition products:	Carbon monoxide and carbon dioxide Hydrogen fluoride

SECTION 11: Toxicological information

11.1 Information on toxicological effects	
Acute toxicity:	No effects known.
LD/LC50 values that are relevant for classification:	No data
Skin irritation or corrosion:	Causes skin irritation.
Eye irritation or corrosion:	Causes serious eye irritation.
Sensitization:	No sensitizing effect known.
Germ cell mutagenicity:	No effects known.
Carcinogenicity:	No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.
Reproductive toxicity:	No effects known.
Specific target organ system toxicity - repeated exposure:	No effects known.
Specific target organ system toxicity – single	

exposure: May cause respiratory irritation.
Aspiration hazard: No effects known.
Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Do not allow material to be released to the environment
Without proper governmental permits.
Generally not hazardous for water.
Avoid transfer into the environment.

12.5 Results of PBT and vPvB assessment

PBT: **Not applicable.**

VpvB: **Not applicable.**

12.6 Other adverse effects **No further relevant information available.**

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Hand over to disposers of hazardous waste.
Must be specially treated under adherence to official regulations.
Consult state, local or national regulations for proper disposal.

Uncleaned packagings:

Recommendation Disposal must be made according to official regulations.

SECTION 14: Transport information

UN-Number

ADR, IMDG, IATA None

14.2 UN proper shipping name

ADR, IMDG, IATA None

14.3 Transport hazard class(es)

ADR, IMDG, IATA None

Class None

Packing group

ADR, IMDG, IATA None

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC

Code Not applicable.
Transport/Additional information: Not dangerous according to the above specifications.

SECTION 15: Regulatory information

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

Australian Inventory of Chemical

Substances Substance is not listed.

**Standard for the Uniform Scheduling of
Drugs and Poisons** Substance is not listed.

National regulations

Information about limitation of use: Employment restrictions concerning young persons must be observed.
For use only by technically qualified individuals.
Water hazard class: Generally not hazardous for water.

Other regulations, limitations and prohibitive regulations

ELINCS(European List of Notified Chemical

Substances) Substance is not listed.

**Substances of very high concern (SVHC)
according to REACH, Article 57** Substance is not listed.

REACH – Pre-registered substances Substance is listed.

15.2 Chemical safety assessment: **A Chemical Safety Assessment has not been carried out.**

SECTION 16: Other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Department issuing data specification sheet: Health, Safety and Environmental Department.

