According to Regulation (EC) No. 1272/2008 Language: English

# Safety Data Sheet

Revision: 3.00 Modified: 2021-08-16

fluorochem

### 1: Identification of substance / mixture

1. Product Identifier **Substance** 

**Product Name** 2,2,4-Trimethyl-1,2-dihydroquinoline

**Product Code** 220348 **CAS Number** 147-47-7

Other Names

**IUPAC** 

MFCD Number MFCD00044248

**EC/EINECS** 

**REACH Number** Index-No

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

## 3. Details of the supplier of the safety data sheet

Fluorochem Ltd Unit 14, Graphite Way

Hadfield Derbyshire

Telephone: SK13 1QH Fax: UK Email:

# 4. Emergency telephone number

+44(0)7855 268577 -

## 2. Hazards Identification

#### 1. Classification of the substance or mixture

H302	Acute Tox. 4	
H315	Skin Irrit. 2	
H319	Eye Irrit. 2	
H335	STOT SE 3	

+44(0)1457 860111

+44(0)1457 892799

sds@fluorochem.co.uk

## 2. Label elements

## Signal Word Warning



### **Hazard Statements**

H302	Harmful if swallowed.	
H315	Causes skin irritation.	
H319	Causes serious eye irritation.	
H335	May cause respiratory irritation.	

### **Precautionary Phrases**

P260	Do not breathe dust/fume/gas/mist/vapours/spray.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.	
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.	

#### 3. Other Hazards

Additional precautionary phrases are located throughout the safety data sheet

## 3. Composition / Information on Ingredients

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#### 1. Substances

	Product Name	Hazards	Concentration	
2,2,4-Trimethyl-1,2-dihydroquinoline				
		H302, H315, H319, H335 Acute Tox. 4, Eye Irrit. 2, Skin Irrit. 2, STOT SE 3	<=100%	

### 4. First Aid Measures

#### 1. Description of first aid measures

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

P332 + P313: If skin irritation occurs: Get medical advice/attention.

Eye Contact P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/attention.

Ingestion P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Inhalation P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

### 2. Most important symptoms and effects

There may be irritation and redness.

### 3. Indication of any immediate medical attention

No additional measures required

## 5. Firefighting measures

## 1. Extinguishing Media

Suitable Carbon dioxide.

Dry chemical powder. Alcohol resistant foam.

Unsuitable no data

#### 2. Special Hazards arising from the substance or mixture

In combustion toxic fumes may form.

#### 3. Advice for Fire Fighters

Wear self-contained breathing apparatus.

Wear protective clothing to prevent contact with skin and eyes.

#### 6. Accidental Release Measures

## 1. Personal Precautions

Do not attempt to take action without suitable protective clothing – see section 8 of SDS.

Evacuate the area immediately.

### 2. Environmental Precautions

Do not discharge into drains or rivers.

Contain the spillage using bunding.

# 3. Methods & Materials

Mix with sand or vermiculite.

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

## 4. Preventing the occurrence of secondary hazards.

No Special Measures Required

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### 7. Handling and Storage

#### 1. Personal Precautions

Ensure there is sufficient ventilation of the area. Safe Handling

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

Protection against explosions and fires P362: Take off contaminated clothing and wash before reuse.

#### 2. Conditions for safe storage, including any incompatibilities

Managing Storage Risks Store in cool, well ventilated area.

Keep container tightly closed.

Storage Controls No special requirements

Maintaining Integrity P233: Keep container tightly closed.

Other advice P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

#### 3. Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

### 8. Exposure Controls/Personal Protection

#### 1. Control Parameters

No Data Available

#### 2. Exposure Controls

General protective and hygiene measures

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

Wash hands during breaks and at the end of handling the material

Immediately remove any contaminated clothing

P271: Use only outdoors or in a well-ventilated area. Engineering measures

Eye / Face Protection Safety Glasses with side-shields.

Protective gloves. Hand protection

P260: Do not breathe dust/fume/gas/mist/vapours/spray. Respiratory protection

Use breathing protection with high concentrations

Skin protection Handle with gloves.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory

practice.

Wash and dry hands. Protective clothing.

Other personal protection

advice

no data

## 9. Physical and Chemical Properties

#### 1. Physical and Chemical Properties

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Appearance	iiquid
Odour	No Data Available
Odour threshold	No Data Available
PH	No Data Available
Melting point / Freezing point	No Data Available
Initial boiling point and boiling range	No Data Available
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

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No Data Available	
	No Data Available

#### 2. Other Information

No additional information available

## 10. Stability and Reactivity

### 1. Reactivity

no unusual reactivity

## 2. Stability

Stable under normal conditions.

### 3. Possibility of Hazardous Reactions

no hazardous reactions known

#### 4. Conditions to Avoid

no specific conditions to avoid

### 5. Incompatible Materials

Oxidising agents.

## 6. Hazardous Decomposition Products

In combustion emits toxic fumes.

## 11. Toxicology information

## 1. Information

Acute Toxicity no data

Skin corrosion/irritation irritant for skin and mucous membranes

Serious eye Damage/irritation irritant effect

Damaye/imalion

Respiratory or skin sensitisation

No sensitizing effect known

Germ Cell mutagenicity

not known

Carcinogenicity

not known

Reproductive toxicity

not known

STOT-single exposure

not known

STOT-repeated exposure

not known

Aspiration hazard

not known

#### 2. Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC,NTP,OSHA or ACGIH

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12. Ecological Information	
1. Toxicity	
not known	
2. Persistence and degradability	
not known	
3. Bio-Accumulative Potential	
not known	
4. Mobility and Soil	
not known	
5. Describe of DDT 9 v.DvD accessment	
5. Results of PBT & vPvB assessment not known	
THE KITOWIT	
6. Other adverse effects	
Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.	
10. Dien and Considerations	
13. Disposal Considerations	
1. Waste Treatment Methods	
Disposal Operations	
Disposal of Packaging Disposal must be made according to official regulations.	
4. Transport Information	
Air (ICAO)	
Not classified as hazardous for transport	
Road (ADR)	
Not classified as hazardous for transport	
0 (1100)	
Sea (IMDG)	
Not classified as hazardous for transport	
15. Safety, health, environmental and national regulations	
1. Safety, health, environmental and national regulations:	
product is not subject to any additional regulations or provisions	
2. Safety Assessment	

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No Chemical Safety Assessment

16. Other Information1. Other Information:

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ADR: Accord Europeen sur le transport des merchandises Dangereuses par Route(European Agreement concerning the International Carriage of Dangerous Goods by road)

RID:Reglement International concernant le transport des merchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association

ICAO:International Civil Aviation Organization ICAO-TI: Technical Instructions by the ICAO

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service

#### 3. Disclaimer

The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, 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.