



Serving Scientific Community
Since 1985



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket 'D', Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
Website : www.technopharmchem.com

QUINOLINE FOR SYNTHESIS MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product form : Substance
EC No : 202-051-6
CAS-No. : 91-22-5
Product code : 045190

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

1.2.1. Relevant identified uses

Industrial/professional use spec : Industrial
For professional use only
Use of the substance/mixture : Laboratory Reagent

1.2.2. Uses advised against

No additional information available

1.3. Details of the manufacturer of the safety data sheet

Techno Pharmchem
Plot No.1022, Modern Industrial Estate,
Bahadurgarh-124507, India
T +91 11 23646422
info@technopharmchem.com

1.4. Emergency telephone number

Emergency number: +91 11 23646422 (9:30am – 5.30pm)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), H302
Category 4
Acute toxicity (dermal), H311
Category 3
Skin corrosion/irritation, H315
Category 2
Serious eye damage/eye
irritation, Category 2 H319
Germ cell mutagenicity, H341
Category 2

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Carcinogenicity, H350

Category 1A

Hazardous to the aquatic H411

environment-Chronic

Hazard, Category 2

Full text of classification categories and H statements: see section 16

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

Carc.Cat.1; R45

Muta. Cat.3; R68

Xn; R21/22

Xi; R36/38

N; R51/53

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labeling according to regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazard statements (CLP)	:	H30-Harmful if swallowed H311-Toxic in contact with skin H315-Causes skin irritation H319-Causes serious eye irritation H341-Suspected of causing genetic defects H350-May cause cancer H411-Toxic to aquatic life with long lasting effects
Precautionary statements (CLP)	:	P201-Obtain special instructions before use. P273-Avoid release to the environment P280-Wear protective gloves/protective clothing/eye protection/face protection P30+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P308+P313-IF exposed or concerned: Get medical advice/attention

2.3. Other hazards

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Name	:	QUINOLINE FOR SYNTHESIS
CAS-No.	:	91-22-5
EC No	:	202-051-6

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Full text of R- and H-phrases: see section 16

3.2. Mixtures

Not applicable

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures after inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	:	Immediately call a doctor/physician. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Gently wash with plenty of soap and water.
First-aid measures after eye contact	:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	:	Rinse mouth. Call a doctor/physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	:	May causes damage to organs.
Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin. Causes skin irritation.
Symptoms/injuries after eye contact	:	Causes serious eye irritation
Symptoms/injuries after ingestion	:	Swallowing a small quantity of this material will result in serious health hazard.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media	:	Dry chemical powder, alcohol-resistant foam, Carbon dioxide (CO ₂).
Unsuitable extinguishing media	:	Do not use a heavy water stream.

5.2. Special Hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Protection during firefighting	:	Do not attempt to take action without suitable protective equipment.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Avoid breathing dust/fume/gas/mist/vapours/spray.
Emergency procedures : Stop release. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spillage. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4. Reference to other sections

No additional information available

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling : Do not get in eyes, on skin, or on clothing.
Hygiene measures : Do not eat, drink or smoke when using this product.
Wash... thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Keep container tightly closed. Store in a dry place. Protect from moisture.

7.3. Specific end use(s)

No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

No additional information available

8.2. Exposure controls

Personal protective equipment : Wash ... thoroughly after handling.
Hand protection : protective gloves
Eye protection : Chemical goggles or safety glasses
Skin and body protection : Wear suitable protective clothing
Respiratory protection : Wear respiratory protection
Other information : Do not breathe dust/fume/gas/mist/vapours/spray.
Do not eat, drink or smoke when using this product

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Colorless to brown.
Odour	:	peculiar odor.
Odour threshold	:	No data available
pH	:	7.3
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	-17 to -13°C
Freezing point	:	No data available
Boiling point	:	113 – 114°C
Flash point	:	101 °C
Auto-ignition temperature	:	1 mm Hg @59.70C
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapour pressure	:	0.09 hPa at 20 °C
Relative vapour density at 20 °C	:	4.46 Relative
density	:	No data available
Density	:	1.093 g/cm ³
Solubility	:	Water: Slightly soluble in cold water
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other Information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No additional information available

10.2. Chemical Stability

Stable under normal conditions of use

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Direct sunlight. Air contact. Moisture

10.5. Incompatible materials

No additional information available

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10.6. Hazardous decomposition products

No additional information available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	:	Oral: Harmful if swallowed. Dermal: Toxic in contact with skin.
Skin corrosion/irritation	:	Causes skin irritation. pH: 7.3
Serious eye damage/irritation	:	Causes serious eye irritation pH: 7.3
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Suspected of causing genetic defects
Carcinogenicity	:	May cause cancer.
Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Not classified
Specific target organ toxicity (repeated exposure)	:	Not classified
Aspiration hazard	:	Not classified

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology-water : Toxic to aquatic life with long lasting effects

12.2. Persistence and degradability

QUINOLINE FOR SYNTHESIS (91-22-5)

Persistence and degradability	May cause long-term adverse effects in the environment.
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available



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H312	Harmful in contact with skin
H315	Cause skin irritation
H319	Causes serious eye irritation
H341	Suspected of causing genetic defects.
H350	May cause cancer
H411	Toxic to aquatic life with long lasting effects
Muta.	Germ cell mutagenicity

Full text of R-phrases referred to under sections 2 and 3

N	Dangerous for the environment
T	Toxic
R21/22	Harmful in contact with skin and if swallowed
R36/38	Irritating to eyes and skin
R45	May cause cancer.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic Environment
R68	Possible risk of irreversible effects

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